

3-18-16 in a few days is report which is heard on the streets this morning. The Standard has been working on this well for several months, and no doubt another test will be made in the next few days.

SUCCESSFUL WEEK IN EL DORADO FIELD

Possibly the Largest Pool in
Union County Is Discov-
ered in 5-18-14.

Special to the Gazette. 4-16-22
El Dorado, April 15.—One of the most eventful weeks in the history of the El Dorado field has come to a close, and finds the fraternity and business interests in warm spirits, as a second and possibly greater field than the discovery pool has been opened in the east. In addition to that, one of the greatest gas fields ever opened in the Southwest was opened by T. J. Woodley when he brought in his immense 45,000,000-foot gasser on the Sam Lovett lease in 5-18-14, opening a new gas field different from any seen in El Dorado except Mr. Woodley's first gasser in the east, the VanHook No. 1 in 7-18-14, a mile southwest of the Lovett well, which is practically in the same formation as the Lovett well.

The 45,000,000-foot gasser is one of the most sensational gas wells in the South. Aside from being of a sensational nature, the fact that it is a new field and was completed under perfect control from the minute it made its first roar, is more than unusual. It has been said by leaders of the fraternity that it is the most successful completion in the history of El Dorado.

Flow Increases Steadily.

The week was opened by the Terry-Summerfield Company's No. 3 well on the Smith lease, which came in making several heads on Sunday and continued to increase until Wednesday when it filled a 1,000 barrel tank in 20 hours, making an average of 1,200 barrels a day, and has since then continued to increase until the owners believe it will make more than 1,500 barrels a day. The well was not the first well in the east to make oil, but it was the first well to make a noticeable amount of oil. However, simultaneous with its completion, the El Dorado Gas Company's well, one-half mile southwest, began to make a noticeable increase in production, and before the owners could complete the big earthen storage, which has a capacity for handling from 10 to 20 thousand barrels, the well was "raring to go," and when turned into the pits Friday afternoon began making oil at the rate of 2,000 to 3,000 barrels daily.

The week as a whole has been a success. However, there is none of the frenzied excitement which followed the discovery well—there is a more stable increase, however. Each improvement comes easily, and while several large deals are made, there are no \$10,000 and \$15,000 per acre sales recorded. The larger companies have bought and continue to buy heavily in the east. Even before the well was completed the Gulf Refining Company had 16 forties and other leases, close up to the well, and now the major independent companies, including the Noco, Henderson and others are buying in the east and will drill.

New Wells Started.

Several new wells have already been started. The El Dorado Gas Company is drilling on its No. 2, on the Gaddy lease. The El Dorado Natural Gas, which purchased the Terry-Summerfield No. 1 on the Smith, in 30, is drilling on its second well. The Terry-Summerfield will drill its fourth well to the north of the No. 3. T. J. Woodley has made location and is to drill in the northwest of the northeast of 17-18-14, south of his recent completion, and other contracts are being let. The wagons drawn by six and eight horses and mules are making the trips to the east

carrying derrick timbers, drilling machinery, boilers and other equipment. Aside from the new east field there are three other wells which have important bearing in El Dorado, including the Constantin on the Roberson lease, the northeast of the northeast of 6-18-15, the Standard on the Aaronson lease, in 3-18-16, and the Magnolia Petroleum Corporation on the Ekstrom lease, in 3-18-16. This latter well is the shallowest test made in El Dorado. A good looking sand was picked up at 1,030 feet, and after going 10 feet deeper to 1,040, the drillers are reaming down the hole so they can set 10-inch on shoe or packer, after which a test will be made.

At the Constantin well the drillers have reached a depth of 3,100 feet, and expect to pick up a sand between 3,200-3,300 feet. The Standard is drilling in a hard lime rock at 3,300, and expects to test when the drill has gone through the rock.

BELIEVE WELL IS A 3,000-BARRELER

Owners Turn Oiler on Gaddy
Lease in Earthen Stor-
age Pits.

Special to the Gazette.
El Dorado, April 14.—The El Dorado Gas Company's well on the Gaddy lease, in the northwest quarter of the southwest quarter of 30-17-14, was turned into the earthen storage pits this afternoon and is now being allowed to run steadily for the first time since the well began to make oil two days ago. Due to the great gas pressure the oil at first was cut considerably, but it is the belief of the owners of the well that the cutting will be reduced to a minimum before the night is over. The owners are confident that their well will be good for 3,000 barrels or more per day when it has run for a few hours.

The Terry-Summerfield well No. 3, on the Smith lease, 29-17-14, continues to produce at the rate of about 1,200 barrels a day, and in a few hours the Root refineries which have contracted to take the oil, will have finished their lines and have cut into the company's tanks.

The El Dorado Gas Company has announced that tomorrow afternoon at 5 o'clock it will open the immense Woodley gasser in 5-18-14 which it purchased from Mr. Woodley and associates for \$50,000 yesterday. The well gauges 45,000,000 feet, and has a rock pressure of 1,950 pounds. The gas company opened its Gaddy well yesterday afternoon, and a solid six-inch stream of oil mounted the derrick, went over the crown block and 20 feet higher, and held its own for more than 15 minutes.

NOW HAS STEADY FLOW

Terry-Summerfield Well Estimated to
Be Making Between 1,800 and 2,000.

Special to the Gazette. 4-17-22
El Dorado, April 16.—The Terry-Summerfield Company's No. 3 well, on the Smith lease in 29-17-14, has flowed steadily more than 24 hours. It has been flowing at intervals each day for nearly a week. The field superintendent of the company, R. E. Barfield said today that he estimates the daily flow of the well now between 1,800 and 2,000 barrels.

All steel storage tanks on this lease and the other Smith lease in 30 have been filled with oil and the well now is flowing into earth reservoirs. The Magnolia Petroleum Company's drillers on the Ekstrom lease in 30-18-16 today made a test of the sand picked up at 1,030 to 1,040 feet. A good showing of oil and gas was found, but the drillers got a flow of fresh water and will pull the 10-inch casing, which was set on shoe, and resume drilling. This well will be drilled to a depth of 3,000 feet, unless the pay is found at a lesser depth.

ORCHARD CITY IS LATEST OIL TOWN

No Frontier Stuff to Be Per-
mitted—Lease Trade Is
More Active.

Special to the Gazette.
El Dorado, April 17.—Lease trading is becoming more active east of here, numerous escrow agreements being held by banks here pending attorneys' opinion. A deal which involved 40,000 and included 150 acres, more than a mile northeast of Terry-Summerfield Smith No. 3 was recorded today. Other instruments were placed on record wherein valuable acreage was transferred, the assigners using customary the \$1 instead of the real consideration. Royalties due to the fact that they can be purchased with less outlay of cash are given predominance in trading. Detroit Summerfield Company, Smith lease northeast of southwest of southwest of 27-14-14, El Dorado Natural, Smith No. 2, 30-17-14, and Woodley and associates, 17-18-14, will begin drilling tomorrow.

Orchard City, so named because of the big peach orchard, is the latest oil field city in the El Dorado vicinity. Already several houses have been erected. The founders say Orchard City, located four miles east of El Dorado, near Terry-Summerfield wells, is not to be like other frontier towns established in the El Dorado district, where gambling, women and whiskey were principal attractions. That town is to be a place where oil field workers and families can live. The first store to operate in the new town is in a building which had seen service in Pistol Hill, Shotgun Valley, Newton, Gatesville and Lambertson and was moved to Orchard City last week.

brokers have arrived and all are kept busy transacting business for lease buyers and sellers.

Chancellor J. Y. Stevens today heard a motion dismissing temporary injunction against the Dixie Athletic Club, restraining the management from putting on boxing contests, which temporary injunction was granted by Circuit Judge Smith in the absence of the chancellor four weeks ago. The action was dismissed and owners of the club expect to resume weekly boxing contests immediately unless opposition to the club takes other methods to prohibit them. The club is owned by Frank Foster, ex-pocket billiard champion of the United States.

TAKES OVER ROBB WELL

Gulf Refining Company Will Make a
Test Soon.

Special to the Gazette. 1922
El Dorado, April 18.—Arrangements were completed today whereby the Gulf Refining Company took over the Robb well on the Thomas lease, in the northwest of the northwest of 16-18-14, and today the company began moving the drill stem and other equipment to the lease, and tomorrow will begin drilling plug, which was set about two months ago, and will make test. This well lies one and one-half miles southeast of the 45,000,000-foot gasser brought in by T. J. Woodley and associates last week, and either a big gas or oil well is expected.

The Terry-Summerfield Company will set 10-inch on its first well on the Smith lease, northeast corner of southwest of southwest of 20-17-14, tomorrow.

MANY DEALS CLOSED

El Dorado Oil Men Are Interested in
Robb Well Test.

Special to the Gazette. 1922
El Dorado, April 19.—Many deals for leases and royalties in the vicinity of the Robb well, which was taken over by the Gulf Company in the northwest of the northwest of 16-18-14, have been closed. As the test progresses and the time for bailing draws near, interest increases. Oil men believe this well will open up a new oil field, or extend the gas field.

There is none of the excitement of the first boom in El Dorado, but there is a more regular growth. Men with money are locating here preparing to build factories, and planning to make this city their home. Fifteen miles of paving will be started in a few weeks and roads to the oil fields will be improved. The rough element which rushed to El Dorado during the first boom is passing up El Dorado and going where city administrations are less vigilant in arresting those who have no visible means of support.

The second boom is even greater than the first. The Gulf will be testing the latter part of the week or the early part of

QUAKER CITY TO DRILL OUT PLUG

Philadelphia Concern Hopes
to Bring In Well Next
Week.

Special to the Gazette.
El Dorado, April 21.—Unless the plans of the Quaker City Petroleum Company miscarry, the plug will be drilled from its Polk and Ezzell well in 11-17-15, northeast of the city tomorrow, and test will follow Sunday or early in the week. Eight-inch pipe was set in this well two weeks ago and if the first sand does not pay off it is the intention of the Quaker City people, the majority of whom reside in Philadelphia, to drill down to 3,000 feet. This is the fourth well to be drilled north and northeast of El Dorado by the Quaker City. The first three wells were dry holes, but they feel that there is oil in section 11 and have again drilled a well.

Quite a bit of trouble was had by the drillers in setting the eight-inch pipe in this well. In drilling the hole had become crooked and it was necessary to ream for several weeks before the hole was in shape to take the eight-inch.

The Gulf Company will tomorrow drill the plug from its Robb-Th. mas well in 16-18-14, and test is to be made Sunday or early next week. Two of the Gulf's best crews are at work on the well and will run in two shifts. Coats Sowell and Barton today closed a deal whereby they became the owners of the southwest of the southeast of 6-18-14, for which they paid T. J. Woodley, the man who drilled in the big gasser last week, \$600 per acre, with the added stipulation that a well is to be started immediately on the lease which is one-quarter

mile west of the 45,000,000-foot gasser. Coats, Sowell and Barton bought from the El Dorado Natural Gas Company, and will move on as soon as the derrick is completed early next week.

EL DORADO FIELD IS IN THE LIMELIGHT

Its Large Production Is At-
tracting Nation-Wide
Attention.

Special to the Gazette.
El Dorado, April 22.—El Dorado, with four fields, three of which are entirely separate and apart, while two others are connecting more and more as the days go by, and which may become an oil field nearly 11 miles in length and from two to five miles wide, today is receiving the predominating interest of the members of the fraternity all over the United States. The two big fields in the east were brought in less than two weeks ago.

The closing of the week in El Dorado finds oil men from all over the world in the new south Arkansas oil center. Men are here who have explored for oil in India, Egypt, Columbia, Mexico and in the several proven and wildcat fields of this country. Thousands of wildcaters who have failed to "hit the pay" in other sections are coming back, and in addition to the drilling operations, which are going on in the proven and semi-proven district, no less than a dozen wildcat wells are being drilled in a radius of 15 miles of El Dorado, and at least two of these wells are to test during the coming week.

Aside from the wild-catters, the staid business men who drill for oil with the firm purpose of getting oil and take only the minimum chance, have arrived by the scores and are buying leases and contracting for the drilling of wells in the east and southeast fields, as well in the south extension to the discovery pool in El Dorado. Aside from all this, there is an air of expectancy surrounding the fraternity as they gather in groups to discuss the possibilities of the well which is known as the Robb-Thomson, in the southwest corner of the northwest of the northwest of 16-18-14, which was taken over by the Gulf Refining Company early in the week after the owners had experienced a shortage of money and could not complete the well, even though six-inch had been set and cemented.

The Gulf Refining Company, which already has 75 or more producing wells in El Dorado, assumed the indebtedness on the well and is moving on to make test early next week. The well is one and one-half miles southeast of the 45,000,000-foot gas well brought in by Woodley last week, and the fraternity expects either a gasser of unusual proportions of a real oil well. The probability of this test proving an oil well is strengthened by the fact that southwest of the big gasser is another well, Woodley's Van Hook 1, which is making 7,000,000 feet of gas per day and more than 25 barrels of 38 to 39 gravity oil.

The East Field.

The east field is getting a big play. The Terry-Summerfield Co., Smith No. 3, is one of the best of the five wells completed. This well came in making about 1,000 barrels flowing by heads, and at the end of a week had ceased making heads, started to flowing steadily and making more than 2,000 barrels of 24 gravity oil which has been contracted for at the rate of \$1.75 a barrel with a premium. The gas pressure on this well became so strong that it was found necessary to put the well on a choke and even with the choke the well is putting in excess of 1,500

barrels into the immense earthen pits which have been erected.

This is the first oil well of proportions to be completed in the east field. However, simultaneous with its completion, the El Dorado Gas Company's well in 30-17-14, three-quarters of a mile southwest, began making oil and is now pouring oil into the earthen pits at the rate of 2,000 barrels a day. A few hours after the well was completed the No. 2 well, which was brought in by the Terry-Summerfield Company several weeks ago, a 30,000,000-foot gasser began making oil after it had flowed for weeks making only dry gas. This latter well is north of the gas company's well in 30-17-14.

Several wells already have been started in the east field during the past week. Detroit-Summerfield is drilling on the Smith lease in 20-17-14, southwest of the southwest; Arkansas Natural is drilling on the Cranston lease in west half of the southwest of northeast of 30-17-14; Big Four Company is to drill in 19-17-14; El Dorado Natural Gas Company, drilling offset to El Dorado Gas Company's Gaddy 1 in southeast corner of southwest of northeast, 30-17-14; El Dorado Gas Company No. 2 Gaddy, southeast corner of northwest of southeast, and others are to be started as soon as attorneys have passed on titles and released escrow agreements.

South East Field.
The El Dorado Gas Company after purchasing the 45,000,000-foot gasser on the Lovett lease in the southwest of the southwest of 5-18-14, turned the gas into the lines which El Dorado with gas. The immense well said to be the best completion ever seen in a gas field, has as yet made oil, but due to the fact that Woodley Van Hook No. 1 in section 7, three-quarters of a mile southeast of the big well, is making along with 7,000,000 feet of gas about 25 barrels of 38 to 39 gravity oil a day, the fraternity feels that the Robb well, which is to be tested early next week, will be an oil well.

The Robb well was drilled and six-inch casing set and the owners were ready to begin test when they experienced financial reverses, and for two months the well stood waiting to be tested. The owners last week contracted with the Gulf Refining Company for the completion of the well and are to take their pay in oil for drilling the well down to 2,100 and setting six inch. The well is only one and one-half miles southeast of the big gasser. The Gulf has sent its best drilling crew over to finish the job.

Near the Robb well in the adjoining section T. J. Woodley and associates have set surface casing and are drilling on their first well on the Hill lease, in the northwest corner of the northeast of the northwest of 17-18-14, while Mr. Woodley's brother, E. L., is preparing to begin operations on his first well on the Hill lease, in the southeast corner of the northwest of the southeast of 7-18-14, while there are others who will start drilling.

New Oil Town.

Enterprising men, seeing the possibilities of a centrally located town for the field workers, have leased a plot of ground and established a new "town," near the big Terry-Summerfield well and lots 25x50 feet are being leased at \$25 per month and up. The town is located four miles east of El Dorado. Several storehouses and numerous tents have been erected and several of those who got in on the ground floor are releasing their lots at a good premium. The owners announce that its name is to be Orchard City and that it will not be as the other oil field towns established in El Dorado district—Pistol Hill, Shotgun Valley, New own, Catesville, and Lambertson—where the main at-

tractions were whiskey, women and gambling, but they insist New Town is to be a real city where the oil field worker may live with his family.

The Discovery Pool.

In the discovery pool, which includes the south extension as well as the north extension, the average daily production during the past week was 38,000 barrels, and the operators and well owners in this district continue to work trying new methods to cope with the sand troubles, and are expecting to eventually overcome the troubles which hold back the production, especially in the south extension to the pool.

In the extreme northwest extension to the discovery pool numerous wells have been completed in the past few months. The Standard Oil Company has several good wells.

NEW FISHING JOB ON AT EL DORADO

Drillers Twist Off a Stem at
the Gulf Company's
Robb Test.

Special to the Gazette. 4-26-1922
El Dorado, April 25.—Gulf's drillers today began drilling in on the Robb well, 16-18-14, but on account of twisting off drill stem, they will have a fishing job which will delay the test. With good luck they will be able to continue drilling in tomorrow.

This well has received a greater play than any other similar well ever drilled in Union county. Since Gulf took over well last week, more than \$100,000 worth of leases and royalties have changed hands, and trading in that section continues brisk. Highest price so far recorded is \$750 per acre, but it is thought that even higher prices have been paid.

The Quaker City test, on the Polk and Ezzell lease, in 11-17-15, will be held up for several days pending arrival of several of major stockholders from Philadelphia. They expect to continue the test about Friday.

STATE

WILL TAKE CORE TESTS

Drillers of Robb Well Will Follow With Effort to Bring It In. 1922

Special to the Gazette.

El Dorado, April 30.—The drillers in charge of the Gulf Refining Company, well on the Thomas lease in 16-18-14 after fishing all of Friday and up to about 3 o'clock yesterday afternoon, recovered the liner which had parted at the bottom of the hole, and will spend the night washing the well. The drillers still have 10 feet to play on, and have prospects of getting a well. They will make a thorough test.

John Westmoreland is superintending the operations on the Robb well.

This well has held the center of the stage throughout the week, and some of the largest deals ever closed around semi-wildcat wells have been closed during the week. The second test of the well will begin after the core test have been taken and the formation given a thorough examination.

The Quaker Petroleum Company is expected to test its well on the Polk and Ezzell lease Monday.

The Standard is shut down waiting orders on its Aaronson well, in 3-18-16 at 3,333 feet. Constantin is drilling at about 3,300 on the Robertson test, in 6-18-15.

QUAKER CITY GETS A PRODUCING WELL

2180 feet. Company Brings in 300 Barrels After Three Consecutive Failures. 1922

Special to the Gazette.

El Dorado, May 4.—After drilling three consecutive dry holes, the Quaker City Petroleum Corporation has gotten an oil well in its fourth attempt. Bailing was started this morning, and after the well had been bailed down to 600 feet, the bailer started to bring up a noticeable amount of oil which increased with each successive bailing until apparently to the surface.

FLOW MAY BE INCREASED

Gas Pressure Develops in Quaker City Well at El Dorado.

Special to the Gazette.

El Dorado, May 5.—A test "take" of the oil bailed from the Quaker City well today showed it to be better than 25 gravity, and estimates of the well place its possible production at about 100

barrels as it now stands. Some gas pressure developed today, and it is thought that after going deeper into the sand the well will be made to flow of its own accord. The well may be deepened tomorrow. The drill has gone only about six inches into the sand. The depth of the well is 2,180 feet.

WELL A 100-BARRELER

Quaker City Interests Hope to Make a Gusher of It. 1922

Special to the Gazette.

El Dorado, May 6.—The closing of the week finds Quaker City interests well standing about 800 feet in fluid, and rising all the time. Drillers will go back into the hole and bail again tomorrow. This well is in 11-17-15. It is said to be good for 100 barrels a day. A test made of the oil today showed that it contained no water or B. S. The owners have hopes of making the well flow.

Gulf's drillers, on the Robb well, in 16-18-14, have set 15 additional joints to the liner in the hole, and gone back in with small drill stem drilling to bottom, after which the well is to be washed and bailing started early tomorrow.

WILL DRILL DEEPER

Quaker City Bails, But Fails to Bring in a Well. 1922

Special to the Gazette.

El Dorado, May 7.—T. J. Woodley and associates set six-inch casing today in their well in 17-18-14.

The Quaker City well in 11-18-14 was bailed today, but could not be made to flow. At 4 o'clock the liner was brought out and preparations were made to drill deeper.

The Gulf's Robb-Thomas well, in 16-18-14, was bailed today, but nothing showed up. The crew is waiting instructions from headquarters. The possibility is that it will drill deeper.

One of the latest tests.

ANOTHER BIG GAS WELL BROUGHT IN

Coats, Sowell & Barton Have a 25,000,000-Footer on Smith Lease. 1922

Special to the Gazette.

El Dorado, May 9.—Coats, Sowell & Barton of the El Dorado Natural Gas Company, at 2:30 o'clock this morning, brought in their second well on the Smith lease, on the south end of the east 10 acres of the southwest of the northeast of 30-17-14, at 2,208 feet, making 25,000,000 feet of gas and spraying more than 50 barrels of oil a day.

The well is an offset to the El Dorado Gas Co.'s well, which came in a gasser and turned to a good oil well several weeks ago.

The big well brought in from the 2,470-foot sand in 1-18-16 by Coats, Sowell & Barton Monday morning was capped this afternoon, and is now under perfect control. Prior to capping the well, the oil production showed a decided increase, and many of the operators are of the opinion that the well was making no less than 100 barrels when it was closed in.

The owners have not announced just what will be done with the well. The discovery of the deeper sand in El Dorado already has caused a great increase in trading. Many deals are being closed and placed in escrow, and will be made public soon.

The deep sand discovery will prove even greater for the El Dorado district than the bringing in of the Busey well. There are more than 1,000 wells in the El Dorado district that can be deepened at a small expense.

There were more people in El Dorado today than there has been at any time since the opening up of the Cates wells in the south field.

PUTTING UP SEPARATOR

El Dorado Natural's Crew Hopes to Have Well Flowing Today. 1922

Special to the Gazette.

El Dorado, May 10.—The crew in charge of the El Dorado Natural's deep well on the Fraser lease, after shutting the well in yesterday, is rushing the erection of separator and expects to have the well flowing through it and into the gas mains by tomorrow noon. The well, it is said, is making in excess of 100 barrels daily. The El Dorado Natural will begin in a short time drilling another well in the vicinity of the deep sand discovery well.

Arkansas Natural drilled plug from

Cranston No. 1 offset to Terry-Summerfield-Smith No. 1, to the west, and should be ready for a test by Saturday. Detroit-Summerfield, on Smith 1, in 20-17-14, will test tomorrow or Friday. Charleston continues test on A-1 Syndicate's well in 35-16-15.

BRINGS IN NEW WELL

Terry-Summerfield Company Extends Pool a Quarter Mile South. 1922

Special to the Gazette.

El Dorado, May 11.—The Detroit-Summerfield Company at noon today brought in its first well in section 20-7-14 on the Smith lease, which came in making dry gas and after 10 minutes began to show oil. It continued to increase until at 6 p. m. it was making from 300 to 400 barrels daily. The well is a quarter mile extension to north. Oil is the same gravity of Terry-Summerfield well in section 30. The well has a strong gas pressure, and is making 20,000,000 to 25,000,000 feet of gas. Owners expect a big well before morning.

FRATERNITY IS IN OPTIMISTIC MOOD

El Dorado Oil Men Believe New Deep Sand Will Prove a Producer. 1922

Special to the Gazette.

El Dorado, May 13.—A week replete with interesting features closed in the El Dorado field last night, finding the oil operators, drilling contractors and others in the fraternity as well as local laymen and business men, in an optimistic mood.

Four separate and distinct fields—three oil and one gas—and a deep sand in one of the fields have broken the ice for the newest boom in El Dorado. More than 20 contractors, employing hundreds of men, are rushing to completion residences and store buildings, many of the residences being for the leaders in the oil activities.

There will be no more of the frontier stuff in El Dorado.

radio. Two big wells in the east have proven up a quarter mile of territory north and south of the Terry-Summerfield wells, one of these wells, the Detroit-Summerfield, coming in an immense gasser and turning to an oil well, while the other, the Eld Natural, Smith 2, came in an immense combination well and has increased until it is making nearly 200 barrels of oil and fifteen to twenty million feet of gas.

The sensation of the week, however, was the discovery of the deep sand in 1-18-16, where Coats, Sowell & Barton completed the Frazer No. 1 at 2,470 feet Sunday morning, which came in with a flow of 4,000,000 feet of gas, increased until it was making upwards of 40,000,000 feet, and then began making salt water and oil.

The well blew wild for 24 hours and later was capped when it was thought that 300 barrels or more of oil was coming from the hole. On being opened up Friday, flowing through separator for nearly an hour, the well made oil at the rate of more than 1,000 barrels a day, finally settling back to 200 barrels, after which it was again closed in pending the completion of the connections for the separating plant.

The completion of a well from a deep sand has long looked forward to in El Dorado. It has proven conclusively that the deeper oil sand is here, but the opinion expressed by some that the sand uncovered by Coats, Sowell & Barton at 2,470 was the "blossom sand" is not the prevailing opinion. It is thought that the "blossom" will be picked up deeper.

Some have expressed the opinion that the sand found in the Frazer 1 at 2,470 feet was not the "blossom," but was a sand found in the Marlbrook Marl in the De Sota field in Louisiana which carries oil and gas thought to be coming through a fault from lower formations.

Regardless of where the oil or gas is coming from, the bringing in of the Coates et al. deep well has served to bolster up the feelings of the fraternity in El Dorado, and not since a few months after the Busey came in has there been seen so much trading.

Important Tests Pending.

During the coming week there are several important tests to be made, including the T. J. Woodley and associates' well on the Hill lease, in the northwest corner of the northeast of the northwest of 17-18-14; the Natural Gas and Petroleum Company, Inc., Lovett 1, 6-18-14; Arkansas Natural's Cranston 1, in 30-17-14. Test on latter well should be made Sunday. The Gulf still is working on the Robb well, in 16-18-14, which it took over several weeks ago. In the Gulf's Robb well a showing has been found and the drillers are doing their best to make a well.

There are to be several wells rigged up for drilling deeper in the vicinity of the Coats, Sowell & Barton deep well in 1-18-16.

One of the features of the week was the formation of the Natural Gas and Petroleum Company, Inc., the formation of which was completed by T. H. Barton and J. B. Sowell, who returned from New York early this week. The company is capitalized at \$3,000,000. Most of stock has been subscribed. The company will take over the entire holdings of the El Dorado Natural Gas Company, including three producing leases, including the lease on which the deep sand was discovered Sunday, five other drilling wells; one well to be tested next week; the recently completed Koppers absorption gasoline plant; the gas distributing system which covers the entire field, and many gas wells. The officers are to be the same as in the El Dorado Natural, namely, T. H. Barton, president; W. M. Coats, vice president, and J. B. Sowell, secretary and treasurer.

EL DORADO HAS A SUCCESSFUL WEEK

Another Boom Expected Following Bringing in Gasser in New Field. 1922

Special to the Gazette.

El Dorado, May 20.—The immense gasser-crater on the Murphy farm in 8-15-15, held the center of the stage in the El Dorado district during the past week insofar as the laymen were concerned. While they were turning up gasoline going to and from the wonderful spectacle, eight miles north of here, the lease buyers and oil operators were spending their time getting acreage lined up, and on the whole it was a successful week. Several big deals were closed and, as a result, as soon as rigs can be moved, at least four wells will be started in the vicinity of the big well which blew in on last Sunday night.

The well, after going through the various stages from wild gasser to burning crater with a cavity in the earth 800 feet across, finally went out and settled down to the point where, at regular intervals, it erupted sand and rock.

to the fact about Thursday afternoon that while the major portion had been sight-seeing up in the vicinity of the big well, the second boom, which has long been a matter of conjecture, was here. All hotels are crowded.

Six Distinct Fields.

El Dorado, an oil center for less than 16 months, is peculiarly situated between or in the center of six distinct oil or gas fields, and there will be enough "play" to keep business good for several years. Four of these new pools or sands were opened after the first anniversary had passed.

There is the regular producing areas, commonly referred to as the north and south pools, but really connected up, and a single oil area 14 miles long by four miles wide at the widest point, which is producing daily more than 37,000 barrels, a gain of 250 barrels over the previous month. Second is the east field, where two wells are producing oil in commercial quantities, while there also are several large gas wells. Next in line was the Woodley gas field in 5-18-14, where an enormous gas well, making 45,000,000 feet of gas, rich in gasoline, was uncovered. Another is the field which was opened by Anderson in the north, and then the deep sand in 1-18-16 and the Jim

Stocks pool in 20-17-15, on the extreme northwest edge of the city. All fields are different, all distinct. Out of 1,042 wells drilled in Union county during the past year, the government says that only 21 were dry holes.

In all of the fields there is development. Especially is this true in the north, and around the deep sand in 1-18-16. The Constantin is drilling two deep wells in the same section with the discovery well in the deep sand, and the Natural Gas and Petroleum Company is drilling another. Others are to be drilled in all directions from the discovery well.

All over Union county drilling operations are being carried on. Something like 200,000 acres are in line for development, and operators still are making locations for wildcat wells. One of the leading geologists in the country has said that there will be no less than a dozen other separate and distinct pools in Union county, which is the largest county in the state.

Freight Rates Reduced.

One of the features of the week's development was the announcement by the Chamber of Commerce of a substantial reduction in freight rates for intrastate shipments of gasoline and other petroleum products, which came as a welcome announcement to the refiners in the district and will mean a saving of more than a quarter million dollars annually.

The Chamber of Commerce has been after the Southwestern Freight Committee since early in March to approve the recommendation, and at a meeting in St. Louis Friday, it was approved. The reductions which apply to intrastate shipments will open a reduction of two cents for five miles to 15-1-2 cents per hundred up to a distance of 500 miles. El Dorado refiners have been at a great disadvantage in disposing of their refined products in their home state on account of the competition from outside sources, which had rates to the principal consuming points in Arkansas in many instances lower than have been in effect from El Dorado. One point in particular was Little Rock, where El Dorado was compelled to pay 35-1-2 cents per hundred for a haul of 133 miles, whereas Oklahoma refineries were shipping from a point 400 miles at a rate of 31-1-2 cents.

The new rates to Little Rock will be 17 cents, which will give El Dorado an advantage of 14-1-2 cents over the Oklahoma refineries, and will mean a saving of from 20 to 30 cents per barrel on an average to all points over the old rates.

The Natural Gas and Petroleum Company, which is capitalized at \$3,000,000, recently took over the El Dorado Natural Gas Company's holdings in El Dorado, is setting a string of 5 3-6 inch casing in its well on the Frazer lease, at 2,525 feet, just above the pay, and as soon as the cement has hardened will again test the well and has hopes of getting a real paying oil well.

During the week, in addition to the

EXPECTS WELL TODAY

Natural Gas Company El Dorado Began Drilling in Last Night. 1922

Special to the Gazette.

El Dorado, May 21.—The Natural Gas and Petroleum Company, drilling in tonight on the Lovett lease, 6-18-14, expects to get well early tomorrow. Rucker, in 15-17-16, farthest well to west, has eight feet of sand from which it is getting bailer after bailer full of 42 gravity oil, with some gas pressure. The drillers will set tubing and expect to make well flow.

The crater continues to blow, but is weakening.

OPERATIONS MOVE TO NORTH FIELD

Several Wells to Be Started in Vicinity of Huge Crater Soon. 1922

Special to the Gazette.

El Dorado, May 27.—This is usually the case in all oil fields, the major portion of the play switched to the new field, which was opened by John L. Anderson, eight miles north of El Dorado, two weeks ago, and many deals in leases have been closed during the past week. The prices for acreage in the north field have not by any means reached the high point paid around the Constantin gasser two years ago, or even the prices paid around the Terry-Summerfield when it brought in an immense gasser several months ago, but there is the same frenzied buying on a smaller outlay of cash. Prices range from \$75 to \$250 an acre.

The week-end finds three of the leading drilling contractors in the district vying with each other to be the first to start drilling operations on recently acquired acreage. George & Jones have erected a derrick and are moving toward the location with equipment. Their first well in the north will be on the southwest of the southwest of 8-16-15, three-quarters of a mile southwest of the discovery well. Eddie Jones, on his Cook lease in the northwest of the northeast of 16-16-15, about three-quarters of a mile southeast of the gasser-crater, has erected a derrick and is unloading drilling equipment at Norphlet. The Natural Gas and Petroleum Corporation has timber on the ground for derrick and rig is being moved from the south field. All three of these wells will start during the coming week, and John L. Anderson will no doubt start at least two wells in section 8 for the Oil Operators Trust, for which he drilled the discovery well.

The Gulf, Sun Company, Standard and other major companies, and the majority of the independents have bought their protection in the north, but continue to buy. The Gulf is said to have closed deals for more than 500 acres of leases.

The majority of these deals are held up pending attorney's opinion.

Norphlet Booming.

One of the features of the activities in the north field is the effect which the bringing in of the giant gasser has had on the little village of Norphlet, a mile and a half southeast of the well, on the Missouri Pacific. This little village formerly was one of the quietest in the county. Now a store building, belonging to Mrs. Bell, which had formerly rented for \$7 a month, has been leased by one of the early comers to the little town for \$150 a month, and other properties have seen similar increase. Land or lots which were formerly run over by stock and from which

the owners were getting no revenue is being snapped up at prices ranging from \$1 to \$3 per front foot, and many temporary structures have been erected, while others of a more substantial nature are being built.

Negro Cemetery Doomed.

If the big crater-gasser continues to spread, a negro cemetery founded in ante-bellum days may cave in and become a part of the great crater. This cemetery is only a few feet north of the big crater, and has gravestones and markers dating back to the early forties. In this cemetery are buried negroes of slavery days, when there were great cotton plantations on the Quachita and in the Smackover bottoms north of the gas well.

The caving continues, and it may be only a matter of a few days until the cemetery will begin to fall into the great crater. There has been much discussion as to whether the bodies in petrified shape will be emitted from the crater when it has one of its heavy outbursts.

Many of the more superstitious negroes are staying at home nights for fear that one of these petrified bodies, if there are such, will be thrown from the crater and a part of it fall in his path, and bring "everlasting bad luck," which no rabbit foot could keep away from his door.

The Natural Gas and Petroleum Corporation, drilling on the southwest of the southwest of the southwest, completed a 45,000,000-foot gasser Wednesday on its Lovett lease, which is the second well to be completed in the field opened by T. J. Woodley several weeks ago.

The Natural Gas and Petroleum Corporation's deep tests on the Frazer lease, in 1-18-16, where casing was set just above the 2,529-foot pay a week ago, will drill plug and make test early next week. This well blew wild for several hours making upwards of 50,000,000 feet of gas before being shut in for the purpose of setting casings.

NEW WELL A PRODUCER

Alfred H. Ramage No. 5 Has Flow of 2,500 Barrels. 1922

Special to the Gazette.
El Dorado, May 29.—The Alfred H. Ramage No. 5 well on his fee land in SW-SW 28-18-15 came in today with an initial flow of 2,500 barrels, according to reports received here. This well lies just northeast of the big well completed by the Woodley Petroleum Corporation about 10 days ago. George & Jones had the contract for drilling the well.

Considerable excitement was created today when varying reports were received here that the Brown and associates' well on the Goodwin lease in 16-16-14, seven miles south and east of the big gas crater had come in making several thousand barrels of oil. Investigation revealed the fact that the well is making several thousand barrels of fluid, said to be 5 or 10 per cent oil. The well was drilled several months ago to a depth of 2,200 feet, but did not pay off. It was deepened to 2,634 feet, when a flow of hot salt water was encountered. Later a string of 4 1/2 inch casing was set, but the cement failed to hold, and other packing methods were used about two weeks ago. These also failed. No announcement has been made as to steps to be taken regarding the well. It is thought, however, that the showing of oil will be responsible for a few test wells being sunk in the vicinity of this one.

OIL AT DEEP LEVEL

Brown Drillers Hope to Get Production From 2,634-Foot Sand. 1922

Special to the Gazette.
El Dorado, May 30.—The fact that the Brown well on the Goodwin lease, in 16-16-14, is making a noticeable amount of oil from the 2,634-foot level proves conclusively that there is a deep oil sand in the immediate vicinity of the well, which lies to the east of the Oil Operators Trust gasser-crater in 8-16-15, it is said. There will be several wells drilled in the vicinity to ascertain the possibilities of the sand at that depth, it was said today. Leases and royalty trading between this well and the Oil Operators Trust well have been active during the day.

The Roxana, after "laying off" the El Dorado fields for more than two years, has at last arrived. A representative today closed deals for several tracts around the gas well in 8-16-15, the extent of the Roxana's operations is not yet known.

The crater continues to boil, but is nearly dead. The Natural Gas and Petroleum Corporation will begin a test on its deep well on the Frazer lease, in 1-18-16, the latter part of this week.

NEW WELL A PRODUCER

T. J. Woodley No. 1 Estimated at 250 Barrels Daily. 1922

Special to the Gazette.
El Dorado, June 28.—T. J. Woodley and associates finished setting tubing on the packer in their Vanhook No. 1 southwest of the northwest of 8-18-14 this afternoon and the well began making five-minute heads every 10 minutes. According to estimates this afternoon the well is making not less than 250 barrels daily. They will begin operations on a second well in eight or ten days as rigging can be put up. The latter well is located in northeast of northwest of northwest.

The first crater on the Murphy lease in 8-16-15 died away last night and simultaneously the second crater which began forming last Wednesday following the blowout from the 900-foot burst forth and bids fair to rival No. 1 crater, which is now about 100 feet across.

HUGE GAS WELL ON THE MOODY LEASE

Detroit-Summerfield Company Brings In 45,000,000-Foot Producer. 1922

Special to the Gazette.
El Dorado, July 1.—The Detroit-Summerfield Company's No. 2 well on the Moody lease, in the northeast corner of the southeast of the southwest of 17-17-14, was bailed in from 2,183 feet this afternoon and came in, making 45,000,000 of dry gas, according to estimate of R. E. Barfield, field superintendent for the company. This well is making only dry gas, and extends the east territory one mile to the north, the farthest well to the north in the east being the same company's first well on the Smith lease, in 20-17-14.

The drillers immediately will break down and move back on the No. 1 location, where the well came in unexpectedly when drillers were preparing to cement casing, about three weeks ago. They expect to have the well in by the latter part of the coming week.

During the past week interest has centered about the north field. However, the fact that this well was about to test drew quite a bit of attention. Interest also was taken in the Natural Gas and Petroleum Corporation's deep test on the Mellor lease, in 1-18-16, which has as yet failed to pay off.

The George & Jones test in the north field will be the center of attraction during the coming week. The drillers should bring in this well about Tuesday. It is located in the southwest of southwest of 8-16-15, a half mile west of the wild craters.

The No. 1 crater continues to burn, and No. 2 is getting larger. While it has not formed nearly so large a chasm as No. 1, much pressure is behind it, and it apparently is getting stronger.

ANOTHER GASSER IN AT EL DORADO

Eddie Jones Well Reported to Be Making 50,000,000 Feet a Day. 1922

Special to the Gazette.
El Dorado, July 17.—Eddie Jones' first well on the Cook lease in northwest corner of northeast of 16-16-15, which came in late yesterday, is said to be making from 50,000,000 to 75,000,000 feet of gas a day. The well is under perfect control. It is about one mile southeast of the Murphy craters.

Hundreds of El Dorado people spent the day at this well and Natural Gas and Petroleum Corporation well in 17-16-15, but many already had returned to town when the well came in.

It is not making any oil, however. Gas has a slightly brownish tint. The reason for the tint cannot be ascertained, but the flow which is turned up into the derrick has not colored the wood work. Well cleared itself through the flow line turned to off side. The crew at the Natural Gas well is pulling the liner and will drill deeper.

TEST IS DUE TODAY

Bailing in Detroit-Summerfield Well Delayed by Sand Trouble. 1922

Special to the Gazette.
El Dorado, July 13.—The test of the Detroit-Summerfield well in 17-17-14, which has been held up for two days on account of sand trouble, will begin early tomorrow. The owners hope to have the well in by noon.

Two tests are expected in north field this week or early next week. Eddie Jones in 16-16-15 and the Natural Gas and Petroleum Corporation in 17-16-15. Casing was set last week and the drillers are ready to drill in. The V. K. F. Drilling Company today set eight-inch casing in its first well just across Smackover creek in 29-15-15 at about 1,960 feet.

The well farthest east in Union county, which is being drilled by Boudier and associates in 3-18-13, is drilling at 800 feet. The well is owned by pioneers of Union county, who blocked up acreage for the well long before the Constantin well was brought in. This is one of most interesting wildcat tests in the county.

TO BEGIN BAILING TODAY

Detroit-Summerfield Driller Has Completed No. 1 Well. 1922

Special to the Gazette.
El Dorado, July 11.—R. E. Barfield, superintendent in charge of the Detroit-Summerfield operations on the Moody lease is back at the No. 1 hole and expects to be ready to begin bailing on the well tomorrow. This well is one mile north of the Smith well in 20-17-14 and it is thought will be a big producer. It is one which was fired by friction when it came in three weeks ago.

Greenwood-McDuff will set casing on their first north well in 12-16-16, the latter part of the week. So far they have experienced no water troubles that handicapped other north field drillers, and the well lies only one mile west of George & Jones' big gasser.

The east field pipe line to connect the field with loading racks at Herma will be ready for first oil in a few days.

The company owning the line expects to care for a majority of the oil produced in the east, and will ship to Eastern markets where big sale of oil high in lube contents has been consummated.

Plans are under way for establishing a lube plant in El Dorado to refine east field oil which is more than 40 per cent lube content and has heavy asphalt base.

WILL START NEW WELLS THIS WEEK

Several Projects Are Under Way in the El Dorado Field. 1922

Special to the Gazette.
El Dorado, July 10.—Seven new wells are to be started in the north field during the week, two immediately. Crawford & Sebastian will drill in 14-16-15, southeast of the gas craters two and a half miles and the Gulf will drill on the Alphin lease the same distance northeast, in 2-16-15. Eddie Jones, in 16-16-15, and the Natural Gas and Petroleum Corporation, in 16-16-15, will test the latter part of the week. George & Jones have put additional cement in the well on the Murphy lease and will continue to allow it to make gas.

Crater No. 1 was stronger last night than at any time in a month. It is making great clouds of black smoke which is said to be caused by lignite coal burning. Some contend there is a spray of oil, but this is not been definitely decided. No. 2 crater, a veritable mud volcano, it shooting columns of mud at intervals high into the air.

Greenwood-McDuff expect to set casing on this week. No. 1 Houston well, in 12-16-16, one mile west of the George & Jones well. Earl Bros. have started their first well in the northwest of northeast of 19-17-14. In the east field the Bankers' and Producers well, a company financed by Eastern bankers and business men, is to be drilled by fast crews, superintended by Ben Westerman. The Ozark Company will complete three wells, Smith 3, 4 and 5, during the week, all in the east field. Detroit-Summerfield expect to complete No. 1 well on the Moody tract 17-17-14 by Thursday. This well came in unexpectedly some weeks ago but was fired by friction and burned for two hours, after which it sanded up. No. 2 well, which was brought in last week a quarter of a mile north of No. 1, is spraying a noticeable amount of oil.

WELL FLOWS MUCH GAS

George & Jones Gasser Good for 40,000,000 Feet. It Is Estimated. 1922

Special to the Gazette.
El Dorado, July 6.—The George & Jones well, in the southwest of southwest 8-16-15, said to be the biggest gasser in this district, continues to make from 40,000,000 feet up. No accurate gauge has been made, however.

The Natural Gas and Petroleum Corporation is ready to set casing on its No. 1 well on the Murphy lease, in northeast of northeast of 17-16-15, a half mile south of the gas craters.

The Detroit-Summerfield crew was successful in switching master gates this afternoon and has the well under control and is moving on to No. 1 well to begin working it over.

WELL IS SPRAYING OIL

Moody No. 2 Gasser's Flow Is Said to Be Increasing. 7-6 1922

Special to the Gazette.
El Dorado, July 5.—The Detroit-Summerfield Company's Moody No. 2, in the northeast corner of the southeast of the southwest of 17-17-14, which came in Friday afternoon making dry gas, has begun to spray oil along with its 45,000,000 feet of gas. It is said to be increasing. This well extends the east oil field a mile to the northeast. Due to the fact that it was necessary to change master gates on account of a small leak, work on No. 1 well will not be started until after the change has been made. The drillers expect to go back on the first well and have it in early in the coming week.

George & Jones' well continues to make an immense flow of gas. The production is variously estimated at from 35,000,000 to 60,000,000 feet of dry gas. Crews are moving equipment to avoid loss in case of fire, but do not anticipate such. They will begin another well on the same 40 immediately.

WELL FINALLY COMES IN

Detroit Summerfield Test Is Good for 25,000,000 Feet. 1922

Special to the Gazette.
El Dorado, July 14.—The Detroit-Summerfield Company's well came in at 4 o'clock this afternoon, in southeast corner of southwest quarter of 17-17-14, making an estimated flow of 25,000,000 feet of gas and spraying oil. When the well first came in it made two heads of oil, which were followed by gas.

It is spraying a noticeable amount of oil and is very similar to the Terry-Summerfield wells, which came in with gas and turned to oil. It is expected the well will be making a steady stream of oil by morning. The plug was drilled from the Natural Gas and Petroleum Corporation's first well in the north, located in the northeast quarter of 16-16-15, this afternoon, and the test will be made about Sunday.

NEW WELL IS EXPECTED

V. K. F. to Begin Bailing Today—Good Showing of Oil. 1922

Special to the Gazette.
El Dorado, July 24.—Reports from the V. K. F. Drilling Company well in 29-15-15 late today are that bailing will not begin until tomorrow. A good showing of oil has been had in the well, which is three miles north of the Oil Operators' Trust gas craters in 8-16-15. Interest has been high, and several good deals have been closed for acreage. The consensus of opinion is that V. K. F. will get an oil well some time during tomorrow. Woodley is drilling in on a second well in 8-18-14 and will test tomorrow.

EXPECTS TO TEST DEEP WELL TODAY

Natural Gas Crew Ready for Second Effort to Get a Producer. 1922

Special to the Gazette.
El Dorado, Sept. 1.—The Natural Gas and Petroleum Corporation drilled the plug from its deep well in 1-18-16 today, and will again test the deep sand tomorrow. The crew expected to begin bailing before noon. C. T. Rucker has taken over the old Knott, Bain & Bowler Nash No. 1, the only producing well ever contemplated inside the city limits, which was completed a small producer of low gravity oil about a year ago, and is resetting liner after having cleaned out the hole and expects to complete the well tomorrow. The well is in 29-17-15, about a half mile south of the Jim Stocks wells, in 29-17-15.

NEW WELL DUE TODAY

Keene & Wolfe Test in El Dorado Field Near Completion. 1922

Special to the Gazette.
El Dorado, Oct. 3.—One of the most interesting tests under way in the El Dorado district today is that which is being made by Keene & Wolfe in 10-17-15, where it is said that already they are having a good showing of high gravity oil. This well, on the Slaughter lease, is almost due north of the Walker well in 15-17-16 and northeast of the Rucker well in the same section which made a head of high gravity oil several days ago. Keene & Wolfe are among the pioneers in this district, they having come here on the heels of the rush which followed the bringing in of the Constantin gasser in 1920, and one of the forties which they purchased in 2-18-15 proved one of the most productive in the El Dorado district. It is said that Keene & Wolfe were among the most fortunate in their investments in El Dorado. Their well No. 10 should be a completion tomorrow.

D. A. Boudier, drilling for himself and associates on the Stegall lease, the northwest of the northeast of 3-18-12, has drilled the plug from the eight-inch casing which was set at 1,100 feet and is feeling his way ahead expecting to pick up a sand somewhere in the next hundred feet. The well now stands with a total depth of 1,400 feet. This well is about 20 miles east and south of El Dorado.

W. Tarkington Jr. has drilled the plug from the well which he is drilling for himself and associates on the Traylor lease in 9-19-15 and expects to be ready to make test of well some time tomorrow.

David H. Weiss and Love Bros. Petroleum Corporation expect to resume drilling on their well on the Miles lease in 35-17-16 sometime tomorrow. This well was completed a small gasser more than a year ago, and is to be deepened to the 2,950-foot level and tested.

Kirby Rowe, drilling for the Frost Oil Company of Homer, is expecting to set six-inch in the next few hours on the well which is on the Lawton lease in the southeast of the southeast of 36-17-16. The well is to be cemented at about 2,900 feet. Casing would have already been set had it not been for the drillers running against some unusually hard formations at about 2,600 feet.

The crew in charge of Henry. Wisdom's Martin No. 1 in the southeast of the southeast of 1-18-16, where the derrick was pulled in while attempt was being made to draw the liner Saturday have repaired the derrick and are coming out of the hole preparatory to drilling a few feet deeper and making another test after having tested the well which bailed dry at the usual depth of the El Dorado sand. Later this well is to be drilled to the 2,900-foot level and tested. Wisdom is drilling on the Constantin's offset well to the Standard deep test in 1, and will be ready to cement casing in a few days.

3,500-BARREL WELL IN

Is Farthest Well South in the Union County Field. 1922

Special to the Gazette.
El Dorado, Dec. 29.—The Johnston Drilling Company, drilling for itself and Walden & Murdock, early today completed the first well on the Vaughan & Gray lease, the north half of north half of northeast of southwest of 4-19-15, at 2,162 feet, making 3,500 barrels of pipe line oil free from water. It is the farthest well thus far completed to the south in the El Dorado field. It is several hundred feet southeast of El Dorado Natural's well on the Benson lease.

NEW LISBON POOL NOW CLASSIFIED

Included With El Dorado Crude in Latest Posting by Standard Pipeline. 1922

Special to the Gazette.
Shreveport, La., May 5.—The new Lisbon pool in Union county, Ark., having reached a determining position in the list of producing fields in the Shreveport district with Smackover, Urania, Haynesville and Caddo, the Standard Pipeline Company of Louisiana Wednesday posted a new classification on El Dorado crude, with which Lisbon is classified.

Lisbon is served by extension from the El Dorado pipeline, hence the classification. El Dorado posted prices were changed by changing the upper grades from a classification of 33 gravity and above at \$1.85 to 37 above at \$2.05, 35 to 36.9 at \$1.95, and 33 to 35.9 at \$1.85. The lower grade, below 33, are unchanged at \$1.75 per barrel.

Wildcat Wells Are Deeper Near El Dorado.

El Dorado, Aug. 19.—Bill Walber and associates are going down for a test of the 3,000-foot sand in the Cordell No. 1, in section 6-18-13, wildcat well in the vicinity of Lawson. The crew is drilling below 2,600 feet now, after having made a test at around 2,200 feet last week. At that time likely looking sand was picked up, but without sufficient showing to warrant the attempt to bring in a producer. 8-20-26

Another Lawson wildcat is being deepened. The Simms Oil Company test in section 9-18-13 is being drilled deeper and cores will be taken in a few days. The well now is a little deeper than that at which Walber made his test.

Gas pressure continues strong in the Ackerly-Huddleston semi-wildcat test in section 1-17-16, two miles east of the main Lisbon field. The crew is proceeding cautiously, ratholing around 1,800 feet, where a cap rock is believed to have been hit. The owners will drill through the rock soon, when they expect to encounter pay sand.

Shreveport-El Dorado Pipe Line Firm Plans Expansion
Special to the Gazette.
Shreveport, La., Nov. 17.—Shreveport-El Dorado Pipe Line Company has announced purchase of 667,000 shares of Shreveport Producing and Refining Corporation stock. Par value of this stock is quoted at \$10 per share.
As a result of the purchase the Jewella refinery here, owned by the Shreveport company will be doubled in capacity to 10,000 barrels daily the monthly output will be more than \$600,000. Crude will be brought to the refinery from Smackover, El Dorado, Haynesville and other fields.

TESTS WATCHED IN EL DORADO SECTOR

Efforts to Extend Champagnolle Field Are Center of Interest.

Special to the Gazette. 11-26-27
El Dorado, Nov. 19.—The activity of two weeks ago in the El Dorado oil district, especially in the new field 12 miles east of here in the neighborhood of Champagnolle, settled down last week to one of quiet waiting, with several wells drilling in various directions from the discovery well.
Leasing is still active in the vicinity of the Ohio Oil Company strike in section 1-17-14, northeast of here, where two producers have been brought in, and acreage is still bringing a fancy price. The old story of thousandfold advances in the price of land was retold this week in the abstract of a certain farm in section 16-17-13, three miles east of the producer. It was revealed from the records that the land had sold in 1892 at a commissioner's sale for 10 cents per acre, while the present owner is getting \$25 per acre for a five-year lease.
Blocking of wildcat acreage in the vicinity of the discovery well is being carried on in a quiet way and more tests are expected to be started within the next few weeks.
Drilling in the vicinity of the Ohio company's successful test are five others, as follows: The Ohio Oil Company's Crain No. 3, section 1-17-14; Ohio Oil Company Pumphrey No. 1, section 1-17-14; Edwin M. Jones Pumphrey No. 1, section 2-17-14; Garrett & Modisette and Keene & Wolfe's Gregory No. 1, section 10-17-14, and a test being started by the Lion Oil Refining Company in range 17, township 13.
Two or three of the tests are reaching interesting depths and are being watched closely. The Garrett-Modisette company is expected to set casing soon and the Jones test is nearing the sand from which the Ohio Crain No. 2, producer of gas and oil in considerable quantities, was brought in.
Three miles west of this activity the Rovenger Oil Corporation is preparing to make a test that is expected to determine to a large extent the existence of a pool in that direction. The test is an old one, the McCain No. 1, section 4-17-14, and was pumped for some time from a depth of around 2,800 feet. The owners decided to drill deeper in search of a better sand at 3,000 feet.

GUSHER REPORTED IN EL DORADO FIELD

Pumphrey Test Makes 1,000 Barrels and Extends Northeast Field.

Special to the Gazette. 11-24-27
El Dorado, Nov. 23.—The Edwin M. Jones well No. 1, on the Pumphrey farm in section 2-17-14, 12 miles northeast of El Dorado, came in shortly before noon today with an estimated production of 1,000 barrels of oil and around 15,000,000 cubic feet of gas per day. The well is in virgin territory.
The oil is approximately 34 gravity, and is said to be practically free of water. The gas pressure was strong, and the oil was thrown high into the air. The owners several days ago, in anticipation of a gusher, erected several tanks on the lease, and the flow is being taken care of. The well was bailed this morning from a depth of approximately 3,000 feet. The same sand as that from which the Ohio Oil Company's Crain No. 8 came in a month ago.
Bringing in the new well tended to create a flurry in oil circles here, following a lull of several weeks while this and several other tests were being drilled. Reports say that several sizeable royalty and lease deals were made in section 2 and 11 today, and it is believed that an active drilling campaign will be opened. This is the third and best producer in the new field, which is four miles east of the El Dorado east field. Several others are due for tests within the next few days, including the Crain No. 3, the Pumphrey No. 1, of the Ohio Oil Company, the Carroll No. 2, of the Magnolia Petroleum Company, and the Gregory No. 1 of the Garrett-Modisette Drilling Company.

RENEWED ACTIVITY FOLLOWS GUSHER

300-Barrel Pumphrey No. 1 Causes Lease Sales in El Dorado Sector.

Special to the Gazette. 11-27-27
El Dorado, Nov. 26.—The new field 12 miles northeast of El Dorado again scored this week, when a gusher with an estimated flow of more than 300 barrels per day was bailed in a half mile from the original discovery well in section 1-17-14, and the oil fraternity in the El Dorado district has suddenly sprung from a state of lethargy into activity.
Bailed in from a depth of approximately 3,025 feet, the Edwin M. Jones well, known as the Pumphrey No. 1, section 2-17-14, set operators and field followers agog and during the last few days a renewed interest in wildcat as well as proven acreage has been shown. A spirit of watchfulness while several tests were in progress has been changed into one of action and leases and royalty are changing hands faster than at any time since the early days of the Urbana boom in August, 1926.
Reports are that as high as \$500 per acre is being paid in the vicinity of the Jones well for leases and for one-eighth royalty. As much as \$25 per acre for leases and royalty, known as "stuff" in oil field vernacular, as far as two miles from production.
Gauged at 300 Barrels.
The new well, which has been gauged at more than 300 barrels of oil per day, with a flow of about 5,000,000 cubic feet of gas, definitely extends the field a half mile to the west from the discovery test, the Ohio Oil Company's No. 3 Crain. The well for several hours after it came in flowed at the rate of 1,000 barrels per day, throwing oil high into the derrick and making only a trace of water, but later settled down to around 300 barrels. The company has closed it down in order to put on a larger gas separator, the one placed on the derrick Wednesday having proved too small.
Oil men are speculating as to what direction the field will go. The Jones test disproves earlier theories that the Ohio well was on the west edge of the pool, and now much is being staked on the westward extension. The field is four miles from the nearest production, the El Dorado East field, brought in in the latter part of 1921.
Two miles still farther west of the Ohio test, in section 4-17-14, hopes are still high for a producer in the Rovenger Oil Corporation Crain No. 1. This well is being tested for a deeper sand, having been drilled in several months ago as a small producer, later being abandoned. The company now is drilling deeper after testing salt water at around 3,015 feet, slightly above the Ohio sand in section 1. It is expected that another test will be made within the next ten days.
Several Tests Watched.
Several other tests are at interesting depths in sections 1 and 2-17-14, center of activities and interest. The Ohio Oil Company is drilling on two tests, the Crain No. 3, in section 1, and tests are to be made within a week, it is said.
The Magnolia Petroleum Company soon will be ready to make its second test in the new field, the Carroll No. 2, section 1 also. In section 10-17-14, the Garrett-Modisette Drilling Company and Keene & Wolfe, are drilling on their Gregory No. 1. A test is expected on this well within the next few days.
Twenty miles east of El Dorado, in the Lake region, near the Ouachita river bottoms, where two wildcat tests are under way some interest is being manifested. The J. A. Rowland No. 1 in section 8-17-11, being drilled by Sunby, Fruen & Booth of Minneapolis, is standing at below 2,400 feet, and the Arkansas Timber Land Company No. 1, of Picher and associates of New Orleans is at a similar depth, according to reports. Both are said to have passed through some likely looking sands.

Oil Firms Fail to Meet Cut in Cotton Valley Crude.

Special to the Gazette. 12-2-27
Shreveport, Dec. 1.—Other companies buying Cotton Valley crude late today had failed to meet the cut of 15 cents a barrel announced today in that district by the Louisiana Oil Refining Corporation bringing the latter's price to 85 cents. The Gulf, Standard and Magnolia are among buyers who failed to meet the cut. Oil men could assign no reason for a reduction at this time from the general low price of oil caused by flush production in other states.

SALT WATER MARS EL DORADO FIELD

Disappointment Caused by Failure of Test in Edwin M. Jones No. 1.

Special to the Gazette. 12-5-27
El Dorado, Dec. 3.—Although some disappointment was registered at the showing of salt water in the Edwin M. Jones well No. 1 in section 2-17-14, the new oil field 12 miles northeast of El Dorado; what tendency this may have had to slow down activities was more than offset later this week by the performance of another test, the Garrett-Modisette Drilling Company and associates well No. 1, section 10-17-14, three miles southwest from the main pool.
The Garrett-Modisette well, located on the Gregory farm, was bailed from a depth of approximately 2,765 feet, or more than 250 feet above the level of the Jones and Ohio wells to the north. It has shown up for an excellent pumper, and according to expert estimates, probably will make about 200 barrels of oil per day. The gas pressure in this well is not strong as has been the case in other tests in this neighborhood.
Owners believe they have struck here what was known as the Blossom sand in the Smackover field, which proved the most prolific of any in the South Arkansas fields. The Garrett well is at approximately the same depth as the so-called "deep sand" producers around Hays City and Cross Roads in the hectic days of 1925. It is understood that the crew will standardize the well at once.
The Jones test has been shut down temporarily. It is said that salt water showed up in the flow after the well had made gas and pipeline oil for some time. The crew will set a larger separator and attempt to shut off the salt water, it is understood. This well is a half mile west of the discovery well, the Ohio Crain No. 2 in section 1-17-14. The Crain flowed good oil for a time but salt water finally caused it to be closed in.
Other wells are under way in the new area. The Ohio Oil Company is expected to make a test soon on two more wells in section 1-17-14, the Magnolia Petroleum Company is making its second test on the Carroll farm in section 1-17-14, and Edwin Jones is preparing to drill another in section 2-17-14, near his first well.
Over in section 4-17-14, three miles west of this activity, is another and older test, the Rovenger Oil Corporation No. 1 McCain, which is being drilled deeper in search of the same sand as that encountered by the Ohio at 3,015. The test is being watched with interest.
Acreage still is holding good prices in the new territory, although activity has fallen off some. Leases have been sold for as high as \$250 per acre and half mile from the wells, according to reports. Activity in other parts of the oil district has been at a standstill during the last few weeks.

LATEST OIL NEWS

TEST WELL OPENED, STAGES COMEBACK

Jones Producer in New Field Now Flowing 4,000 Barrels.

Special to the Gazette. 12-8-27
El Dorado, Dec. 7.—Staging a comeback after being closed down for more than a week, the Edwin M. Jones well No. 1 on the Pumphrey farm in section 2-17-14, in the new field 12 miles northeast of El Dorado, is setting a pace for the dozen or more tests that have been started in that vicinity in the last few days. The well has been opened by the owners and is reported making around 4,000 barrels of fluid, of which 40 to 50 per cent is oil.
Shut down for nearly a week, while storage to take care of the flow was being prepared, and because of a salt water showing in the fluid, the well is believed to have proved conclusively the location of a pool.
When first completed the well flowed about 300 barrels a day, but later made about 2,000 barrels, more than half of which was water. This was doubled when it was opened the second time this week.
The newest producer after the Jones well is the Gregory No. 1 of the Garrett-Modisette Drilling Company, and Keene & Wolfe, in section 10-17-14, two and a half miles southwest of the Jones test. Placed on the pump the

well is reported to be making around 300 barrels a day. This oil, which is of lower gravity than that from the Jones, or other wells, farther northeast, is coming from a different sand. The Gregory well was completed from a depth of 2,765, as compared with 3,015 feet, the depth of the Jones well and others in that section.
The Ohio company is taking the lead in the matter of development, which has taken on interest the last two or three days. Edwin Jones is a close follower. The Ohio is at work on 10 new tests, two of which are now on the sand and ready for a test. These are the Pumphrey No. 1 and the Crain No. 3, both in section 1-17-14. The company's other tests are within a radius of a mile. Jones is preparing to drill three new tests in the vicinity of his successful well in section 2-17-14.

MAKES BIG PROFIT IN PIPE LINE DEAL

S. R. Morgan Clears Approximately \$1,000,000, It Is Revealed Here.

Probably the largest profit ever taken in Arkansas as the result of a single transaction is credited to S. R. Morgan, Little Rock utilities magnate, who cleared approximately \$1,000,000 in selling the El Dorado Gas Company and Central States Gas and Electric Company to the Ouachita Natural Gas Company of Monroe and Shreveport, La., it was revealed here yesterday.
Little more than a year ago, Morgan acquired the two concerns which own several gas wells in the Smackover field, from which El Dorado's gas supply has been drawn, from W. A. Busch and others of St. Louis. The companies were purchased at public sale for slightly less than \$400,000 and when sold Thursday to the Louisiana company, brought \$1,350,000.
In addition Morgan and H. Wade of El Dorado sold their half interest in the Louisiana-Arkansas Pipe Line Company, which owns a 16-inch high pressure natural gas line from the gas fields of Monroe to El Dorado, to the same concern. This line was promoted by Morgan and built in conjunction with the S. S. Hunter and S. D. Hunter estates of Monroe, which own the Ouachita company.
The consideration that Morgan and Wade received for their stock in this concern was not made public, but is believed that the Louisiana-Arkansas Pipe Line Company represents an investment of more than \$1,500,000.
Morgan, who ranks as one of the largest independent public utilities operators in the Southwest, is the principal and in many cases, the sole owner of more than a score of electric light, water, ice and natural gas companies in Arkansas, Louisiana, Mississippi and Oklahoma.
Born and reared at El Dorado, without monetary inheritance and under many handicaps, he has, in his late thirties, accumulated a fortune that runs well into seven figures.

EL DORADO SECTOR HAS SMALL BOOM

Trek to Northeast Area as Jones Well Comes In.

Special to the Gazette. 12-11-27
El Dorado, Dec. 10.—With the Edwin Jones No. 1 well on the Pumphrey land in section 2-17-14 making between 3,000 and 4,000 barrels of fluid per day, of which approximately 40 per cent is oil, and with the Garrett-Modisette Drilling Company No. 1 Gregory, in section 10-17-14, two and a half miles to the southwest, good for 200 to 300 barrels per day as a pumper, and other tests going down in several directions, the new oil field 12 miles northeast of here is the center of all activities in the El Dorado district now.
The Garrett well is the latest producer and is looked upon as a lead which may prove the definite trend of the field. Since it was brought in leases and royalty in that direction have soared in value, and farmers in, heretofore, one of the poorest sections of the county, are waxing rich on their new found bonanza. While some oil men claim the Garrett test is only an outlying sand, it is generally conceded that the oil bearing strata likely is continuous between the well and others drilled to the northeast, including the Jones.
Land Prices Up.
An instance of what oil has done to this section is shown in the record of a certain tract of land near the producing wells uncovered by an abstract or the other day. More than 300 acres were sold to the highest bidder under court order in 1892, the tract bringing 10 cents per acre. Less than two weeks ago a 40-acre tract of the same parcel brought \$1,000 for a lease, the royalty, valued at approximately the same figure, being reserved.

with the testing of the Jones No. 2, when only a showing was brought up. A checkup on the formation revealed, however, that the bit had stopped 15 feet higher than the producing sand of the No. 1 well, and preparations are being made to drill deeper. The sand is encountered at approximately 3,015 feet in this area.
The Ohio Oil Company, pioneer in the new field and owner of the discovery well, is taking the lead in the drilling campaign, with Edwin Jones a close second. The Ohio is at work on 10 new tests, two of which are offsets to their Crain No. 2. They are the Crain No. 3 and the Pumphrey No. 1, both in section 1-17-14. The other

eight are within a radius of a mile of the first test. Jones is preparing to drill three other tests on the Pumphrey tract.
Already a row of rooming houses, hotels, barber shops and pool halls have sprung up on the Crain farm near the center of activities, and with the prevailing optimism of the "boomer" someone has hung out a shingle naming the place Rainbow City, since, he avers, it not only offers one pot of gold but the foundation for many.
State and county officials met Friday with local citizens and made plans for placing the roads in good condition to the scene of action, in anticipation of another trek to new territory.

Arkansas. 12-15-27
Union county (Calion, East Field)—E. M. Jones, Crain No. 1, section 2-17-14, at 3,063 feet, flowing 800 barrels of oil and 1,500 barrels of salt water; Rovenger Oil Corporation, McCain No. 1, section 4-17-14, at 3,098 feet, salt water, abandoned.
Daily average oil production in Louisiana and Arkansas dropped 1,427 barrels to a level of 143,282 barrels during the week ending Wednesday. Arkansas fell 1,800 barrels, 96,398 barrels offsetting a gain of 373 barrels in Louisiana, the average in the latter state rising to 46,884 barrels. Smackover, heavy, which is the largest in production in the two states fell 1,172 barrels to 73,938 barrels.
Figures for the last two weeks in both states follow:

	Louisiana.	Dec. 14	Dec. 7
Caddo, light	11,635	11,635	11,042
Caddo, heavy	3,850	3,850	3,995
Red River-DeSoto and Sabine	5,720	5,720	5,835
Homer	4,675	4,675	4,505
Haynesville	6,412	6,412	6,704
Bellevue	1,005	1,005	1,030
Cotton Valley	4,850	4,850	4,850
Urania	7,849	7,849	7,780
Little Creek	380	380	802
Total Louisiana	46,884	46,884	46,511
Arkansas.			
El Dorado	5,910	5,910	6,105
Smackover, light	9,310	9,310	9,403
Smackover, heavy	73,938	73,938	75,110
Lisbon	2,475	2,475	2,570
Stephens	1,265	1,265	1,300
Nevada county	3,500	3,500	3,710
Total Arkansas	96,398	96,398	98,198
Total both states	143,282	143,282	144,709

ANOTHER WELL IN RAINBOW CITY FIELD

Crane No. 5 Brought In at 3,060 Feet, Production Not Estimated.

Special to the Gazette. 12-22-27
El Dorado, Dec. 21.—The Ohio Oil Company added another producer to its list of wells in the new Rainbow field, 12 miles northeast of El Dorado, when the Crain No. 5 was bailed in yesterday from a depth of approximately 3,060 feet.
The well flowed for several hours by heads, making a head about every five minutes. The gas pressure was strong enough to throw the fluid to the top of the derrick.
It is believed the well has sufficient gas pressure to flow of its own accord, but in case it does not the company has already an order for a standard pumping rig to be built, and the well will be placed on the beam if it does not flow.
Officials of the company have declined to make an estimate of what the well will produce other than to say that it will make an excellent pumper or a small flowing well. It is located in the southeast corner of the southwest of the southeast of section 1-17-14, a short distance from other tests by the company on the Crain farm.
The only other well near the testing stage in the Rainbow field now is the Edwin M. Jones Crain No. 1, in section 2-17-14, and an offset to the Crain No. 1 of Jones. The No. 1 well came in some time ago making several hundred barrels of oil with a strong gas pressure. The No. 2 will be ready for a test within the next week, it is said.
Meanwhile, operations are going ahead on approximately a dozen other tests recently started within sight of the producers and the new "boom town" of Rainbow City boasts a dozen stores of different kinds, several restaurants and oil field hotels.

NEW TESTS NEAR EL DORADO WATCHED

Developments in Rainbow City Field Hold Interest of Operators.

Special to the Gazette. 12-25-27
El Dorado, Dec. 24.—Following the completion of another producer in the Rainbow City field, 12 miles north of El Dorado, the Ohio Oil Company Crain No. 5, attention of the oil fraternity has been turned to a new test, the Edwin M. Jones Crain No. 2, which probably will be brought in soon.

The Jones No. 2 is a short distance from the Jones Crain No. 1, which came in some time ago as a good flowing well. It is in section 2-17-14, across the line from the Ohio company's operations in section 1-17-14.

The latest well of the Ohio on the Crain farm, which was brought in early this week, is being standardized by the owners and predictions are that it will make a pumper or a flowing well of several hundred barrels. The standard rig is being built in case the gas pressure is not strong enough to cause the well to flow. No official estimate of the production has been made.

Little activity is going on outside of the Rainbow City field, one or two edge tests being under way in the old south field and the Lisbon territory.

Aside from the interest in the Jones well, operators and field followers are awaiting the outcome of nearly a dozen other tests within a radius of a mile of the new town of Rainbow City on the Crain and adjoining farms. The Magnolia Petroleum Company is drilling on the Carroll farm, the Ohio is drilling several tests on the Crain land, and independent operators are making tests in several directions.

Interest continues to hold in the showing found in section 4-17-14, three miles due west of the new field, where the Rovenger Oil Corporation drilled below 3,000 feet. The company brought in a small producer in this section several months ago, the first in that territory, later drilling deeper for a better sand. Although promising sands were found, the well failed to produce.

DRILLING PUSHED IN RAINBOW CITY FIELD

Dozen Tests Under Way in Sector Northeast of El Dorado.

Special to the Gazette. 1-1-28
El Dorado, Dec. 31.—The new year will see a continued search for black gold in the new Rainbow City field, the newest producing area in Union county, located 12 miles northeast of El Dorado. The field now has five completions, all of which are medium sized able for Little Rock, whether the merger is completed or not.

The latest addition to the field is the Edwin M. Jones Crain No. 2, located in section 2-17-14, about 300 yards west of the Jones No. 1. It was bailed and swabbed in late this week and predictions are that it will make a producer at around 100 barrels per day. It is believed that the well may flow through tubing, but the owner is planning to build a standard pumping rig at once.

The Jones well was drilled to a depth of 3,012 feet, the same sand as that encountered in other near-by tests. It is in the southwest corner of the northeast of the southeast, and one of the farthest west of the discovery well in section 1-17-14.

To Bail Four Wells.
The Ohio Oil Company, the largest lease holder in the new field, is putting on the most extensive campaign of recent months in this territory. Six wells, all within a radius of a mile of the company's first, the Crain No. 1 in section 1-17-14, are being drilled. Casing at around the 3,000-foot level has been set on four, and testing will begin the next week, according to officials. The first will be tested Wednesday, others Thursday, according to present plans. Casing will be set on the other two within a short time.

Much depends upon the outcome of the Ohio tests, it is said. The company is making a thorough test of the area around it's first well, and other operators are keeping a close watch.

The farthest test from the discovery well to be brought in is the Garrett-Modisette Drilling Company Gregory No. 1 in section 10-17-14, two and a half miles southwest of the main pool. This well at first showed up as a big producer, but salt water trouble developed. Its performance, however, proved that the pool extends in that direction.

Picher and associates of New Orleans, who have been working for some time on a test near Benjamin lake, 20 miles east of El Dorado near the Ouachita river, are now drilling on a wildcat near Caledonia, about 12 miles southeast of El Dorado, and east of the old South field. A considerable block of acreage has been secured for the test.

The Louisiana-Arkansas Pipe Line Company, subsidiary of the Ouachita Natural Gas Company of Shreveport, La., has completed a 16-inch gas line to El Dorado from the Richland and Morehouse gas field near Monroe. The line will be connected for furnishing gas to consumers here within a few days, it is understood. The line is the largest ever built in this section, and has cost \$1,250,000, according to officials of the company. It will have a capacity of approximately 60,000,000 feet of gas per day. It is approximately 55 miles long.

The new line was decided upon last summer when it was seen that the gas pressure in the South Arkansas fields was rapidly becoming depleted. The Ouachita Natural Gas Company recently purchased the El Dorado Gas Company.

GAS MERGER DEAL STILL IS PENDING

Regardless of Outcome City Is Promised Increased Supply.

J. R. Munce, president of the Arkansas Natural Gas Company, who is now at Pittsburgh, informed the Gazette yesterday afternoon that, although negotiations are in progress for a merger with other companies, no definite conclusion has been reached.

Mr. Munce said also that plans which have been made by the Arkansas Natural Gas Company for an increased supply of gas for Little Rock and other cities will be carried out even though no merger is effected.

T. H. Barton of El Dorado, president of the Natural Gas and Fuel Company, one of the companies involved in the proposed merger and a subsidiary of the Cities Service Company, said yesterday that negotiations between the Doherty interests and the Benedum-Trees interests for a consolidation of the companies, had been pending for some time. "Details of the plan are being worked out and I believe the merger will go through," Mr. Barton continued, "but so far it has not been completed, and I have no statement or announcement to make at present."

Would Greatly Increase Supply.
"Linking of the Doherty companies with the Arkansas Natural would give the Natural Gas and Fuel Company an outlet for the enormous gas production in Richland parish, Louisiana, and would give to the Arkansas Natural an added supply of gas that the company needs," Mr. Barton said. "A proposal to link the Empire Gas and Fuel Company, Public Utilities Company and Natural Gas and Fuel Company holdings in the Clarksville, Johnson county gas field with the lines of the Arkansas Natural has been considered, but nothing definite has been decided on such a connection."

W. F. Booth, president and general manager of the Little Rock Gas and Fuel Company, said last night: "We have as yet received no announcement or information of any kind on the proposed merger. However, we are glad to have Mr. Munce's statement that an increased supply of gas will be available for Little Rock, whether the merger is completed or not."

PRODUCING WELL IN RAINBOW CITY FIELD

Gregory No. 1 in New Northeast Pool Rated at 3,000 Barrels.

Special to the Gazette.
El Dorado, Jan. 5.—The new Rainbow City pool, 12 miles northeast of El Dorado, scored its first big time producing well today. The well is the Keene & Wolfe, Root Refineries and George W. James and associates, Gregory No. 1, in southeast corner of the northeast quarter of the southeast quarter of section 10-17-14. It is estimated to be making between 3,000 and 3,500 barrels of oil and 10,000,000 cubic feet of gas per day. Oil men estimate that about 15 per cent of the flow is water and gas. Total depth of the well is 2,765 feet, and the oil tests around 22 gravity.

The well is about 200 feet higher than any other producing wells in that sector. Completed six weeks ago, the Gregory well showed for about 350 barrels a day. Since that time it has been flowing by heads and pumping. Tubing was set in the hold, but later it was pulled.

Today, about 8:30 a. m., the well started flowing steadily of its own accord, and tonight was reported flowing at about the same rate. Location of the well is a mile and a half to the southwest of the first producing wells in the new field in section 1-17-14.

The increase in the flow of the well is expected to lead to further drilling in that vicinity. Plans are under way for an offset test at this time, reports say.

ANOTHER WELL IN RAINBOW CITY FIELD

Crain No. 7 Reported Flowing 5,000 to 10,000 Barrels Daily.

Special to the Gazette.
El Dorado, Jan. 6.—The second big producing well in two days was brought in today, in the new Rainbow City field, 12 miles northeast of El Dorado.

This well is the Crain No. 7 of the Ohio Oil Company in the northwest corner of the southwest quarter of section 1-17-14. It is reported flowing between 5,000 and 10,000 barrels of high gravity oil along with 15,000,000 cubic feet of gas per day. Oil men who have seen the well say the flow is cut slightly from the gas pressure, but there is no evidence of any great amount of water. Allowed to flow for a time at full blast, the well is now producing through a choke.

The well is the farthest northwest in the field and appears to be near the edge. Other tests drilled in that immediate vicinity have been dry holes.

Completion of the well was from a depth of 3,028 feet around the same level from which all but one producer in that sector have been coming in.

The exception is the Gregory No. 1 of Keene & Wolfe and associates in section 10-17-14, which came in yesterday, flowing 3,000 barrels from 2,765 feet. Starting to flow of its own accord, when opened Thursday morning, the Gregory well is still reported making better than 1,000 barrels a day.

EL DORADO SECTOR EXPERIENCES BOOM

Two Gushers in Rainbow City Field Increase Trading Activities.

Special to the Gazette. 1-8-28
El Dorado, Jan. 7.—The New Year brought good tidings for the oil fraternity in south Arkansas, when two new producers of the gusher type were added to the Rainbow City field, 12 miles northeast of El Dorado, this week. The wells are at opposite ends of the new field, and both are considered large producers. The larger of the two, the Crain No. 7 of the Ohio Oil Company, pioneer operators in the territory, is estimated to be worth at least 5,000 barrels per day—the largest well in south Arkansas since the deep sand was discovered in the Smackover area early in 1925. It is located in section 1-17-14, the scene of all the Ohio company's operations in the new field, and was bailed in from a depth of approximately 3,030 feet, the same sand as has been hit in previous tests in the field.

Is High Gravity.
The oil from the Crain well is of high gravity and there is little show of water. The gas pressure is strong, the flow being estimated at about 15,000,000 cubic feet per day. The test is the farthest northwest in the sector, and is on the same farm as the discovery well, the Ohio Crain No. 1. The company has three other wells on the same farm which are to be tested soon.

The other big producer of the week was the Keene & Wolfe and associates Gregory No. 1 in section 10-17-14, which was bailed in with a flow of between 3,000 and 4,000 barrels, with considerable gas and water. The oil is said to be considerably cut and there is some basic sediment. After flowing for a full day the well settled down to about 1,000 barrels. It is located more than a mile southwest of the Ohio operations and proves the contention of operators that the field extends in that direction.

The Edwin M. Jones Crain No. 2, in section 2-17-14, a half mile southwest of the Ohio No. 7 is still making promises of a large pumper. It was thought at first the well would flow of its own accord, but the owner decided to erect a standard pumping rig.

Leasing Active.
The last two days have seen a renewed interest in oil activities here, and the crowds around the hotel lobbies recall the old "boom days" of 1923 and 1925, when the first and second Smackover sands were uncovered.

Abstractors during the last few days have had plenty to do, what with a large number of leases and much royalty changing hands, as is the case every time a new gusher is brought in. Fancy prices are being paid for acreage and many traders are taking a chance on the outside leases on the theory that the pool may extend in other directions.

Momentum was added to the growth of the new oil field community, Rainbow City, which sprang up a month ago when a good field was anticipated. The lane that leads past the Crain farms is lined with pool halls, rooming houses, cafes and stands, while in the offing more than a dozen derricks rear their heads.

in the vicinity of Caledonia a test is being drilled on a block by Picher and associates of New Orleans. The well is in wildcat territory. Good progress is being made. The same company, after encountering much difficulty, is going ahead with a test in the Benjamin lake region, 20 miles east of El Dorado. This well is located on the Arkansas Timber Land Company's holdings in section 23-17-11.

Special to the Gazette. 1-11-28
El Dorado, S. J. Newcomb, Martha W. Newcomb and Jay W. Hill.
Air Lift Oil Co., El Dorado, certificate of incorporation; capital, \$25,000; incorporators, E. M. Harter, Austin B. Taylor and Ted Graham.

Western Oil Co., Smackover, certificate of incorporation; capital, \$25,000; incorporators, Jack F. Ward, R. B. Hampton and Harry Steffens.

LATEST OIL NEWS

TWO NEW GASSERS AT RAINBOW CITY

New Field Still in Doubt as Flow of Gusher Stops.

Special to the Gazette.
El Dorado, Jan. 10.—Two more wells have been brought in, a third will be tested soon, and a fourth has gone dead in the Rainbow City field, 12 miles northeast of El Dorado, this week.

Both new wells were brought in by the Ohio Oil Company. Edwin M. Jones is ready for a test on the third, the Crain No. 2 in the northeast corner of the southeast quarter of section 2-17-14. He has had an excellent showing in this test, and a good well is expected.

One of the Ohio wells is the Crain No. 6 in section 1-17-14. The well is reported making about a half million cubic feet of gas and a light spray of oil. It is in the northwest corner of the southwest quarter of the southwest quarter.

The second Ohio well is the Pumphrey No. 2 in the northwest corner of the southeast quarter of the southeast quarter of section 2-17-14. This resulted in a dry gasser with a flow estimated at 12,000,000 cubic feet per day. Both wells were drilled in from slightly below 3,000 feet.

The well to go dead was the big gusher of the Ohio company, the Crain No. 7 in section 1-17-14. For several days the well had been flowing at the rate of 5,000 barrels per day, when it began to turn to salt water. The flow finally stopped altogether.

News to offset the fading of the gusher is contained in reports of two other producing wells in that area. The Gregory No. 1 of Keene & Wolfe and associates in section 10-17-14, which came in as a big well last week is holding its own. The Carroll No. 1 of the Magnolia Petroleum Company in section 1-17-14, brought in 103 days ago, is said to be about as good as ever. It is now making approximately 300 barrels a day.

Faith in the future of the new field is shown in the decision of the Root Refineries, Inc., El Dorado refining

concern, to build a pipe line to the area. The company started this week on a six-inch extension of its original El Dorado East field line. The new line will be about six miles long and will connect directly with the east field and from there to the refinery. The field end will be at the Keene & Wolfe lease in section 10-17-14.

GEOLOGIST REPORTS ON NEW OIL SAND

May Red Shale Formation in Union County Offers Fine Prospect.

Discovery of a new producing horizon in the red shale formations in section 1-17-14, Union county, is expected to lead to greater activity in drilling in that section and suggests the probability that other areas in southern Arkansas will prove productive from the same horizon, according to W. C. Spooner, assistant state geologist, who has made a preliminary study of conditions in the new field.

Five producing wells have been brought in in that area since the new horizon was discovered, and 18 wells are being drilled.

The red shale found in the area belongs to the Lower Trinity of the Comanche series of the Cretaceous, and are older than the Glen Rose limestone of Texas, or their Arkansas equivalents, the DeQueen and the Dierks limestones, Mr. Spooner said.

The new producing horizon will correspond most nearly with the deepest producing sand of the Pine Island field in Louisiana which is a sand at the base of the Glen Rose limestone, he said.

"Location of structures favorable to oil in the lower Cretaceous will prove more difficult than in the upper Cretaceous because of the unconformity that separates these beds," Mr. Spooner's report says.

"The fact that favorable structure is present in the upper beds does not mean that similar structure is present in the lower Cretaceous, but favorable structure in the lower Cretaceous may be present under areas where the structure of the upper beds is unfavorable to the accumulation of oil and gas.

"As most of southern Arkansas is underlain by strata of Lower Trinity age, the importance of the new discovery to future production of Arkansas is apparent."

DEEP SAND SOUGHT AT RAINBOW CITY

Attempt to Discover Another Stratum in Field Near El Dorado.

El Dorado, Jan. 14.—Search for a deep oil sand in the new Rainbow City field, 12 miles northeast of El Dorado, was begun this week, and the oil fraternity in South Arkansas is looking on with interest.

The deep test, the first to be started in the new territory, is being drilled by Edwin M. Jones, independent operator, and is located on the Crain farm, section 2-17-14, where two former tests have been made by Jones. Reports are that the well will be taken as deep as 3,500 feet unless a pay sand is found at a shallower depth.

Oil men have contended that a deeper sand exists than that found in other tests in the Rainbow City field. The stratum from which gas and oil have been obtained thus far is about 3,000 feet deeper, or approximately 100 feet lower than the deepest sand in the Norphlet and Smackover fields. Most of the first oil sands encountered in South Arkansas has been around 2,200 feet. The old El Dorado South field, the original Smackover field, the Lisbon pool and the East field all have wells producing from approximately this depth.

May Revive Gusher.
The sudden "death" of the Ohio Oil Company's Crain No. 5, the largest producer in this section since the Smackover deep sand was encountered in 1925, failed to dampen the spirit of operators, and trading in leases and royalty is as brisk as ever. The Crain well, after flowing about 36 hours at the rate of between 5,000 and 8,000 barrels of clean oil per day, began turning to salt water and within a few hours was entirely salt water. Later on it stopped flowing. Oil men believe that the well was drilled to within a few feet of the salt water sand and that when it was allowed to flow the bottom was slightly deepened. It is understood the company has not given up hopes of bringing it back in.

A half dozen new locations have been made this week, most all offsets of former tests, centering around sections one and 2-17-14.

Work is progressing satisfactorily on the test of Picher and associates of New Orleans in section 23-17-11, near Benjamin lake in the east end of the county, according to reports. Considerable difficulty was encountered when the test was started several months ago and a new hole had to be put down when a "fishing" job developed. The company has considerable acreage in the vicinity of the well, which is located on the Arkansas Timber Land Company's property.

Discovery of Oil in Lower Cretaceous Strata in Union County May Mean Other Areas Will Prove Productive

When the Ohio Oil Company brought in a little 50-barrel well in the northeast corner of Union county last June the oil fraternity of southern Arkansas was only mildly interested. There was apparently nothing to distinguish it from hundreds of other comparatively insignificant finds that had previously been made in wildcat territory that fringes the proven fields of Union county. Nor was any special flurry evident when several other wells in the same area came in with substantial production, with one flowing 1,200 barrels in 16 hours.

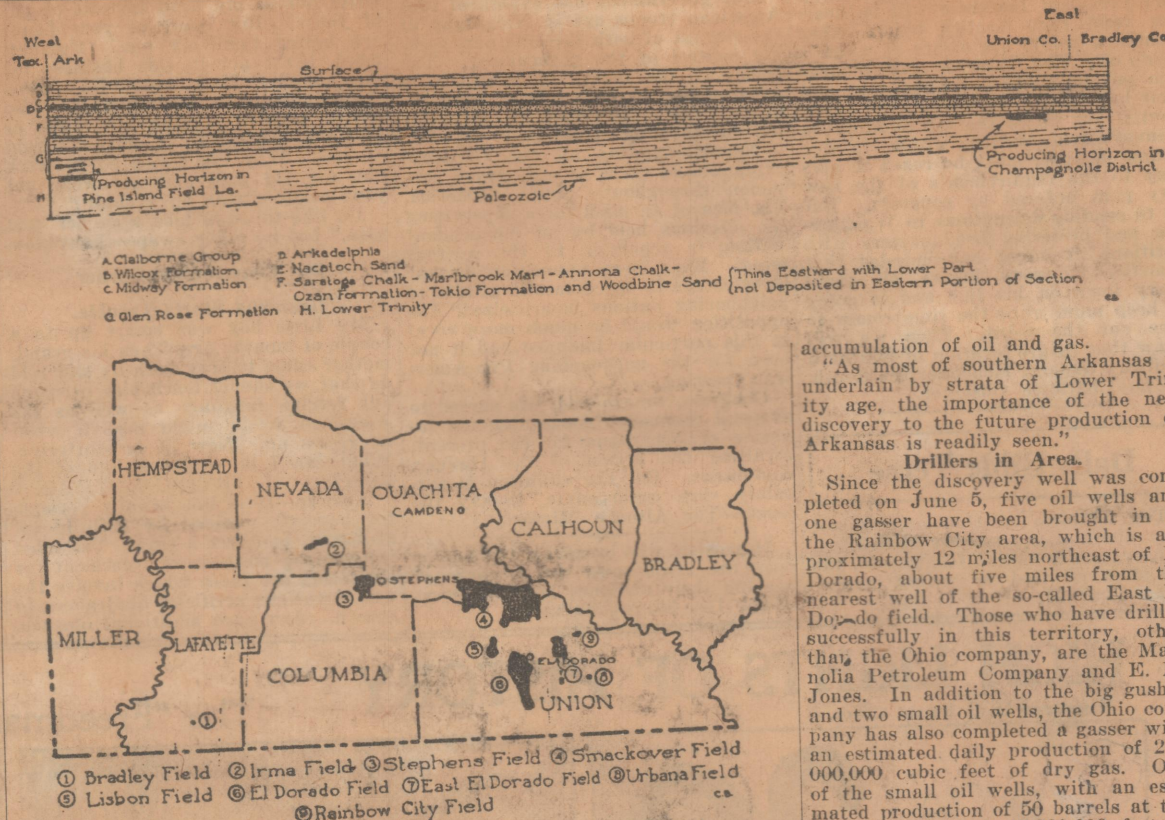
The new field, however, suddenly loomed into a position of major importance two weeks ago when the Ohio company brought in a gusher estimated at 5,000 barrels a day, the largest well in south Arkansas since the deep sand was discovered in the Smackover area early in 1925. There was an immediate rush for adjacent acreage, and since the leasing activity has been so brisk that the old-timers have been reminded of the old boom days of 1923 and 1925. Fancy prices are being paid for choice acreage and many traders are taking a chance on outside leases on the theory that the pool may extend in other directions.

How far the newly discovered oil bed probably does extend may far exceed the fondest hopes of the traders, and the ultimate answer to the question may open up new possibilities for the development of the oil fields of Arkansas, according to Dr. W. C. Spooner, noted Shreveport oil geologist, now in temporary employ of the Arkansas Geological Survey, who declares that this recently discovered field, known as the Rainbow City field, opens up an entirely new oil and gas producing horizon for Arkansas.

The geologist unhesitatingly made this announcement last week after a thorough study of all available data, thus giving the stamp of authority to the vaguely suspected belief that another series of oil pools exists below the sands which have heretofore produced all the oil that has come from Arkansas.

In other words, the logs of the Rainbow City wells indicate in a very definite manner the existence of oil in formations underlying those which have thus far been regarded as the deepest offering any hope of production. This theoretically indicates that by drilling below the sands which produced all of Arkansas' oil up to the time of the discovery of the Ohio company's little 50-barrel well last June new oil bearing beds of major importance may be opened up with promise of production covering a wide area.

Found in Lower Cretaceous. Oil men have been accustomed to think of the upper cretaceous structures as the only source of oil in this



state. The recent discovery in the northeast corner of Union county, however, proves that the lower cretaceous rocks also contain oil-bearing strata, for the source of this oil lies more than 100 feet below the top of the red shales which mark the beginning of the Trinity series of the lower cretaceous.

This is the first instance in the history of oil exploration in Arkansas in which oil has been found below the line which separates the Upper and Lower Cretaceous, according to Dr. Spooner. In his report to Dr. George Branner, state geologist, the famous Louisiana geologist, who is president of the Shreveport Geological Society, gave the following interpretation of the discovery:

"According to our present understanding of the stratigraphy of southern Arkansas, the red shales found in this area belong to the Lower Trinity of the Comanche series of the Cretaceous, and are older than the Glen Rose limestone of Texas or their Arkansas equivalents, the DeQueen and the Dierks limestones. The new producing horizon will correspond

most nearly with the deepest producing sand of the Pine Island field in Louisiana, which is a sand at the base of the Glen Rose limestone. It also has the same stratigraphic position in the section as the asphalt-bearing sands of Pike county, although in Union county the beds below the Glen Rose have a much greater thickness than is present at the Pike county outcrop.

"The importance of the discovery of the new producing horizon cannot be estimated at this time, but it does suggest the probability that other areas in southern Arkansas will prove productive from the same horizon.

"The location of favorable structures in the Lower Cretaceous will prove more difficult than in the Upper Cretaceous because of the unconformity that separates these beds. The fact that favorable structure is present in the upper beds does not mean that similar structure is present in the Lower Cretaceous, but on the other hand, favorable structure in the Lower Cretaceous may be present under areas where the structure of the upper beds is unfavorable to the

accumulation of oil and gas.

"As most of southern Arkansas is underlain by strata of Lower Trinity age, the importance of the new discovery to the future production of Arkansas is readily seen."

Drillers in Area.

Since the discovery well was completed on June 5, five oil wells and one gasser have been brought in in the Rainbow City area, which is approximately 12 miles northeast of El Dorado, about five miles from the nearest well of the so-called East El Dorado field. Those who have drilled successfully in this territory, other than the Ohio company, are the Magnolia Petroleum Company and E. M. Jones. In addition to the big gusher and two small oil wells, the Ohio company has also completed a gasser with an estimated daily production of 25,000,000 cubic feet of dry gas. One of the small oil wells, with an estimated production of 50 barrels at the start, later tested 15,000,000 feet of gas daily. This hole was cemented and abandoned early in November because of a collapsed casing.

The Ohio company gusher is located in Section 1-17-14, which has been the scene of nearly all this company's operations as a pioneer in the new field.

The Jones well in section 2-17-14, which flowed 1,200 in 16 hours at the start, has ceased to flow of its own accord, but still promises to be a big pumper, the owner having decided to erect a standard rig.

The Magnolia has a well in section 1-17-14 which shows a production of 150 barrels of oil and 15,000,000 cubic feet of gas daily.

The other big producer brought in the week before last was Gregory No. 1, drilled by Keene & Wolfe in section 10-17-14, located more than a mile southwest of the Ohio company's operations. It was bailed in with a flow of between 3,000 and 4,000 barrels, with considerable gas and water. The oil was said to be considerably cut and there was some basic sediment. After flowing for a full day it settled down to about

1,000 barrels.

The depth of these producing wells ranges from 2,982 to 3,062 feet. The oil from the Ohio company's gusher is said to be of high specific gravity, which is characteristic of most of the other new wells in this territory.

The producing sand in the El Dorado field is the Nacatoch sand of Upper Cretaceous age. This is encountered at a depth of slightly more than 2,000 feet. A small amount of oil has been produced from a sand encountered at 2,900 feet also of Upper Cretaceous age. Oil production has been obtained from four different horizons in the Smackover field, as follows: The Nacatoch at about 1,920 and 2,050 feet, the Meekin at about 2,280 to 2,410 feet, the Graves from 2,360 to 2,470 feet and the Blossom 2,540 to 2,670 feet. All of these producing sands have been unmistakably classified as belonging to the Upper Cretaceous and in no instance is there any record of production from Lower Cretaceous levels. In fact, drilling operations have always been suspended when the penetration of the Upper Cretaceous failed to produce any oil showing.

In the light of Dr. Spooner's interpretation of the Rainbow City discovery, it now appears that possibly the operators in the Union county fields have abandoned operations too soon, and that new wells of importance might have been brought in if the drilling had been continued on down to the Lower Trinity, in which the new oil and gas horizon is now known to exist.

LATEST OIL NEWS

Production in Gregory No. 1 Increases to 3,000 Barrels.

Special to the Gazette.

El Dorado, Jan. 15.—Cleaned out after having sanded up for a day, the Gregory No. 1 of Keene and Wolfe and associates in section 10-17-14, Rainbow City oil pool, blew in again late last night as one of the biggest wells of the new pool.

Coming in late in the day, the well flowed at the rate of about 5,000 barrels of fluid per day with between 20 and 30 million cubic feet of gas. It was estimated that between 2,000 and 3,000 barrels of the flow was oil.

After the well had flowed about an hour the crew put on a gate valve and closed it in. It still was capped at a late hour. This is the third time the well has come in and the latest production is by far the best. When first completed it appeared good for about 300 barrels per day. Several weeks later after the well had been pumped the well came in of its own accord as a flowing producer, making between 2,000 and 3,000 barrels. Later it dropped down to around 1,500 until it was sanded up.

Interest in the field continues, and acreage is still going at a good price, especially in the vicinity of the newest producers. Six new locations have been made and some of the wells started.

ARKANSAS NATURAL GAS COMPANY SOLD

Cities Service Also Acquires Properties Owned by Insull Interests.

Special to the Gazette.

New York, Jan. 16.—The Cities Service Company, subject to the vote of stockholders of the companies involved, today acquired the Arkansas Natural Gas Company, formerly operated by Benedum & Rees of Pittsburgh, also the gas properties of the Southwestern Gas and Electric Company, formerly owned by the Insull interests. The deal was closed by Henry L. Doherty and Company of this city.

The properties range from Shreveport, La., to Little Rock, Ark., with branches extending to Pine Bluff, Texarkana and Hot Springs, Ark. The acquisition is one of the biggest in the Southwest. The companies, which serve 74,000 customers, have 1,000 miles of pipelines, six gas compressor stations of 16,000 horsepower, and three gasoline extraction plants, with an annual capacity of more than 5,000,000 gallons. Gas sales last year totaled 23,000,000,000 cubic feet.

Arkansas Natural Gas, Southwestern Gas, Natural Gas and Fuel Corporation and Industrial Gas Company, will be consolidated by the Cities Service, which plans to acquire a block of natural gas acreage in northwestern Arkansas. Although this merger will result in some financing, details of an offering have not yet been completed. It is possible that stockholders of the companies to be merged will receive a stock exchange offer, on a basis yet to be worked out.

El Dorado Oil Men Interested in New York Deal.

Special to the Gazette.

El Dorado, Jan. 16.—Announcement of the closing of the deal in New York whereby the Cities Service Company, subsidiary of Henry L. Doherty Company, acquired the Arkansas Natural Gas Company and the Southwestern Gas and Electric Company of Shreveport and Texarkana has been expected in local oil and gas circles several weeks.

Reports here say the transaction is a "\$33,000,000 deal." El Dorado is directly interested in the manner in which it will affect the Natural Gas and Fuel Corporation of El Dorado, parent Doherty company in Arkansas.

El Dorado officials say that a new company will be formed to embrace all the properties involved in the deal, and that the Natural Gas and Fuel Corporation of this city will be a part of the new firm. It is reported that headquarters for the new company will be in this section of the state.

The deal is said to cover the distributing system and all production of the Arkansas Natural Gas Company, the distributing systems only of the Southwestern Gas and Electric Company in Shreveport and Texarkana, the properties of the Empire Gas and Fuel Company in northwest Arkansas, and the distributing system of the Industrial Gas Company of Marshall, Tex.

Properties of the Arkansas Natural Gas Company are located in Little Rock, Pine Bluff, Arkadelphia, Magnolia, Hope, and other Arkansas towns.

Col. T. H. Barton, president of the Natural Gas and Fuel Corporation, of this city is in New York in connection with the closing of the deal.

Merger Does Not Affect Local Distributing Company.

W. F. Booth, president of the Little Rock Gas and Fuel Company, said last night that the merger of Arkansas gas properties reported from New York will not affect the local company in any way. The local company is not affiliated with any of the concerns interested in the merger, he said, but has a long-time contract to buy gas from the Arkansas Natural Gas Company, delivered at the city limits. He said the only probability of Little Rock being affected by the deal would be through development of northwest Arkansas gas fields and the laying of pipe lines from that region into or through Little Rock. He said he had not received any official information concerning the merger of producing companies and that the only information he has come through the newspapers.

Ohio Company Abandons Three Tests at Rainbow City.

Special to the Gazette.

El Dorado, Jan. 20.—The Ohio Oil Company has abandoned three tests in the new Rainbow City field, as follows: Nos. 1 and 2 and the Pumphrey No. 1, all in section 2-17-14.

All the wells were considered dry, although a show of oil and gas was found in the Goode No. 2. The last test in this well was taken from around 3,000 feet. The No. 1 Goode was drilled to approximately 3,200 feet. The Pumphrey was drilled to about the depth that pay sand has been found in other tests. Abandonment of these tests show that the trend of the pool is not to the west.

The Ohio and other operators, including Edwin M. Jones, Keene & Wolfe and the Magna Producing Company, are going ahead with a drilling campaign in various parts of the new pool with the belief that the main producing territory has not yet been uncovered. There are now eight producing wells in the field.

Good Producer From New Sand in Rainbow City Field.

Gazette 2-22-28
Special to the Gazette.
El Dorado, Feb. 21.—A good producing well was brought in today from a new sand in the Rainbow City field, 12 miles northeast of El Dorado.

The well is the Rowland No. 1 of the Magna Producing Company, in section 14-17-14, and is flowing by heads at the rate of from 500 to 750 barrels a day. The oil is of pipe line variety, testing 32 gravity, and there is no trace of water. The well also is making considerable gas.

Completion of the well was at a total depth of 2,998 feet with the top of the sand reached at 2,990 feet. This places the new sand between the other two producing formations, one slightly below 3,000 feet and the other around 2,750 feet. The Magna well is the first producing well in section 14-17-14.

Heavy Flow Continues in New Rainbow City Well.

Gazette 2-24-28
Special to the Gazette.
El Dorado, Feb. 23.—The Rowland No. 1 well of the Magna Production Company in section 14-17-14, Rainbow City field, which came in early Tuesday flowing by heads at the rate of from 300 to 600 barrels per hour, is holding its own. The well continued to make heads of high gravity oil yesterday and the production was estimated to be about the same. No salt water has appeared, which is particularly pleasing to the owners and other operators in the field.

The Pure Oil Company is drilling deeper on its Gregory No. 1 in section 10-17-14. Deepening of the well to the 3,000 foot sand was decided upon after no oil sand was found in boring from 2,687 to 2,740 feet. However, considerable gas was found, in one of the drill stem tests the pressure showing 20,000,000 cubic feet.

Further swabbing of the Alice-Sidney No. 1 on the Gregory farm in section 11-17-14, failed to bring out any better results and Dr. J. S. Rushing, trustee, will drill deeper. The well was brought in three days ago and salt water appeared. The test was made at 2,740 feet and will now be taken to the lower sand at around 3,000 feet.

TESTS EXPECTED IN EL DORADO WELLS

Gazette 2-26-28
New Rainbow City Field Being Watched With Interest.

Special to the Gazette.
El Dorado, Feb. 25.—Several wells in the Rainbow City oil field east of El Dorado are being watched with interest and within the next three or four days two are expected to be given tests.

Most of the operations in the new field are old wells that are being drilled to the deeper sands or that are still in the testing stage of shallow depths. Salt water still is continuing to give trouble and more care is being exercised in the testing of new wells than when the field was first brought in. The salt water trouble appears to be confined principally to the sand at around the 2,750-foot level.

The Alice-Sidney No. 1 of Dr. J. S. Rushing and associates is being deepened after a salt water test at 2,740 feet. Plans are to take the test to 3,000 feet, where a good sand has been picked up in other wells. The Alice-Sidney No. 2, a short distance from No. 1 on the Gregory land, in section 12-17-14, is being drilled below 2,500 feet.

The Magna Producing Company's Rowland No. 1 in section 14-17-14, which came in nearly a week ago flowing around 500 barrels per day, is holding its own, according to reports. The well is thus far the best brought in in the new field. The oil is of a high gravity and free of salt water.

The Magna is plugging back on its Townsend No. 1 in section 14-17-14, a short distance from the Gregory. This well tested salt water at around 1,750 feet and the owners believe that by plugging back and whipstocking they will be able to eliminate the water.

The Pure Oil Company is drilling on its Gregory No. 1 in section 10-17-14. Four drill stem tests were made on this test and gas was found at each depth but no oil. The company will go deeper in the hope of striking the oil strata.

C. A. Berry, former El Dorado publisher and others are reported starting on their wildcat test in section 14-19-11 near Huttig in the southeast part of the county. A large acreage has been blocked, it is understood.

OPERATORS WATCH RAINBOW CITY FIELD

Gazette 3/4/28
Interest Revived in Wildcat Activities With Limelight on New District.

Special to the Gazette.

El Dorado, March 3.—Another period of waiting marked last week in the El Dorado oil district, although several important tests were made, principally in the Rainbow City field, 12 miles northeast of here.

In addition to the proven sands of the new field, interest is being revived in wildcat activities, and at least two wells are contracted for on blocks of acreage in the southeast part of the county.

In the Rainbow City field, several tests are being watched. The Alice-Sidney No. 1 of Dr. J. G. Rushing, trustee, section 11-17-14, is drilling at around 3,000 feet in search of a deep sand, while the No. 1 in the same section is shut down temporarily at 2,530 feet. Both tests have shown salt water at shallow depths.

The Pure Oil Company is coring for a deep sand on its Gregory No. 1 in section 10-17-14, at around 2,990 feet. Several drill stem tests have been made on this well and each time a good gas showing has developed but no oil. The owners plan to drill deeper for an oil said. The formation tests about 10 feet above that of the Magna Rowland No. 1, in the same section, which is now making 130 barrels of clean oil per day. Tubing was set in the Mazda several days ago.

Summerall and associates in section 12-17-14 on the Finley land are reported coring at around 1,500 feet. A

showing was had at a shallow depth this week, it is said.

The deep test of Edwin Jones on the Crain No. 2, in section 2-17-14, two miles northeast of the present activity has been abandoned at around 4,000 feet. The well showed that oil and gas at different levels were not sufficient to warrant a test.

Jones and Sam Richardson have started on a test in section 22-17-14 farthest south of the Rainbow City operations. It is known as the Stegal No. 1.

In the southeast end of the county about three miles northwest of Huttig C. A. Berry and others have set surface casing on their R. W. Rhodes Saw Mill No. 1 in section 14-19-11. A considerable block has been secured for the test. Another wildcat test is reported practically ready to start in township 18, range 11, north of the Berry well.

Keefer and associates brought in a good producer on their lease in section 12-17-15, northwest extension of the El Dorado East field.

Well in Rainbow City Field Shows Rich Test.

Gazette 3/11/28
Special to the Gazette.
El Dorado, March 10.—Hopes were revived in the Simrall No. 1 well on the Findley farm, section 12-17-14, Rainbow City oil field, when a rich looking core was taken from the test this afternoon at a depth of 3,157 feet.

Owners of the well announced tonight that they plan to make a thorough drill stem test tomorrow or early Monday morning. It is believed that the drill bit has tapped an oilic sand at the new level. According to those who saw the core when it was taken out, the showing was one of the richest ever made in the new field.

The Simrall well registered a disappointment four days ago by showing up dry when tested at around 2,975 feet. At that time the owners announced that they planned to drill deeper, even going to 4,500 feet if necessary. The core taken today was the first to show any appreciable oil at the deeper sands.

TWO FAILURES IN RAINBOW CITY FIELD

Limelight Centers on Performance of Oil Company's Pumper.

Special to the Gazette.

El Dorado, March 10.—While keen disappointment was being registered in the apparent failure of two tests in the Rainbow City field this week, the feeling of depression was bolstered considerably by the performance of a well that suddenly sprang from a small pumper to what apparently is a big-time producer.

The well that suddenly came into the limelight after many weeks is the Crain No. 7 of the Ohio Oil Company in section 1-17-14, stomping ground of the early operators in the Rainbow field. This well, after pumping for the past two months at the rate of about 30 barrels per day, suddenly started flowing without warning and has been rated at around 1,200 barrels per day, with 200 to 500 barrels of oil, the balance water.

When first placed on the beam the well was a good pumper, although there was always considerable water along with the oil. Its production gradually decreased until the sudden burst of activity. The Crain No. 7 is located not far from the discovery well of the field and in the midst of several drilled by the same company.

The Simrall Findley No. 1 well, in section 12-17-14, was the cause of no little disappointment when a test failed to yield any oil. The owners, however, are not discouraged and are taking the test deeper. Plans are to drill deeper than the 4,000-foot well of Edwin M. Jones, section 2-17-14. The Simrall well now is down about 3,100 feet and the owners say they will drill 4,500 unless a sand is picked up at a lesser depth.

The Pure Oil Company's Gregory No. 1 well in section 10-17-14, drilled by Garrell-Modisette Drilling Company, tested a small gasser. The flow was estimated at between 1,000,000 and 4,000,000 cubic feet, and there was no show of oil or water. The test had been watched closely by operators and others, and the failure to produce oil tended to act as a check on other proposed activities.

The Pure well was drilled in at a depth of 2,972, with casing set at 2,935. It is believed that the present flow will be killed and the hole deepened. The officials said they are waiting on orders.

Edwin Jones is drilling on a semi-wildcat test in section 22-17-14, southeast of the Rainbow field. Wildcatting has taken on renewed interest in the last few weeks. In the southeast part of the county one wildcat well is drilling at around 1,500 feet while another is reported under way. The well of C. A. Berry and associates on the Union Sawmill Company land in the vicinity of Huttig is making good progress. It is understood that other tests are being planned in the east and southeast parts of the county.

Well in Rainbow City Field Has Good Showing.

Gazette 3/18/28
Special to the Gazette.
El Dorado, March 12.—A drill stem test of the Simrall well on the Findley land in section 12-17-14, Rainbow City field, showed 10,000,000 cubic feet of gas with a small amount of oil, the owners announced tonight. The test was made at a depth of 3,167 feet after the well had shown dry at around 2,900 feet. It is thought that casing will be set at the new depth and a thorough test made. Considerable interest is being shown in the outcome of the well, which is regarded as a southeast extension of the Rainbow field.

Arkansas Oil and Gas Company, El Dorado, articles of incorporation; capital stock, \$125,000; L. S. Britt, president; J. B. Priddy, secretary. 3-27-28

Gazette Incorporation Matters 3/30/28
The Rex Pipe Line Company of El Dorado, capitalized at \$1,000,000, filed articles of incorporation in the office of Secretary of State Jim B. Higgins yesterday. Austin B. Taylor of El Dorado is listed as owner of all but four of the 10,000 shares. The company is authorized to build, buy and sell pipe lines and to engage in all other kinds of business connected with operation of pipe lines.

WEEKLY EL DORADO OIL FIELD SUMMARY

Rainbow City Field Continues to Hold Attention of Operators.

Special to the Gazette.

El Dorado, March 17.—Outside of a few deepening operations and the cleaning out of old wells, activities are on a standstill in the South Arkansas oil territory is concerned. The Rainbow City field, 12 miles northeast of El Dorado, continues to hold the spotlight in newer development, while a wildcat or two here and there tend to keep up interest in prospects for uncovering new pools.

Interest is centered this week around the Simrall Findley No. 1 test in section 12-17-14, where the crew is waiting for cement to set for a test at 3,167 feet. The owners made a drill stem test in this well a week ago and obtained a showing of 10,000,000 cubic feet of gas with a light showing of oil. Casing was set and the well probably will be drilled in early next week. It was baled dry at the 2,700-foot level two weeks ago and the new sand was found when a decision was made to go deeper.

The Pure Oil Company is said to be drilling deeper on its Gregory No. 1 in section 10-17-14, after making a test in the shallower sands. The well now is around 2,975 feet.

Secrecy prevails at the Edwin M. Jones Stegal No. 1 test in section 22-17-14, wildcat southeast of the Rainbow City field. Little is being given out as to progress, but it is believed the hole is nearly to the first sand.

In the southeast part of the county the R. W. Rhodes Union Sawmill Company test near Huttig is making good progress at around 1,500 feet. The well is being drilled on a block secured by C. A. Berry of El Dorado and others.

In the proven fields of Smackover, Norphlet and Lisbon, a few drilling operations are under way, for the most part offsets to producing wells or the deepening of older tests.

OPERATORS SEEK DEEPER OIL SAND

Will Attempt to Find New Level in Rainbow City Field.

Gazette 3/25/28
Special to the Gazette.

El Dorado, March 24.—Hopes for a deeper sand in the Rainbow City field partly were realized this week when the Findley well No. 1, section 12-17-14, was brought in with a dry gas flow of between 7,000,000 and 8,000,000 cubic feet. The owners had hoped for a good flow of oil at this depth, but there was only a small spray.

The test was the second to be made and was at a depth of 3,164 feet. The first was made at slightly below 2,900, where the well failed to produce. They now will drill still deeper in an effort to uncover a hitherto undiscovered sand.

The Pure Oil Company is preparing to make another drill stem test of its Gregory No. 1 well in section 10-17-14, Rainbow City, at a depth of 3,112 feet. Similar tests last week proved to no avail and it was decided to go deeper.

One of the latest new tests in the Rainbow City field, that of Edwin M. Jones and Sam M. Richardson, on the Stegal farm in section 22-17-14, is fast approaching the first pay sand, according to reports. The well is regarded as an edge test, southwest of the field proper. The crew is drilling at around 2,700 feet, reports say. It is expected that cores will be taken soon for the sand that was encountered in most other tests in the field. Much interest is being shown in the test, since a producer here would extend the field considerably.

Location has been made for the Estes and associates No. 1 in the northwest corner of the southwest quarter of northwest quarter of section 14-17-14. The well is located just south of the Magna Producing Company's flowing well in the same section. The Simms Oil Company has erected a derrick for the Jerry No. 1 in section 21-17-14, a mile east of the Jones & Richardson test.

Six miles east of the Rainbow City field, in rank wildcat territory, O. C. Howell is drilling on the Stegal No. 1 in section 11-17-13, an old well started a year ago. The crew is reported to have taken cores that showed promising sand. The well is located on a large block and was shut down for several months, the owners recently deciding to go back. It is now around 2,900 feet deep. The location is in the vicinity of Wilmington, about a mile from the Ousehita river.

C. A. Berry and associates are drilling on their R. W. Rhodes Union Sawmill No. 1 in section 14-19-11, three miles northwest of Huttig. Reports say the crew is making good progress at around 1,600 feet.

J. O. Moore and associates are drilling on a wildcat test in the vicinity of Strong.

DEEPER TESTS FOR RAINBOW CITY POOL

Pure Sand Sought After Several Failures at 3,000-Foot Level.

Special to the Gazette.

El Dorado, March 31.—Following the failure of several tests at the 2,700 and 3,000-foot levels, operators in the Rainbow City field northeast of El Dorado, have started a deepening program in an effort to make a thorough test of what has become known as the pure sand.

This sand is around 3,115 feet, the depth at which the Pure Oil Company made a drill stem test recently on its well in section 10-17-14. The Pure well, from which the deeper sand has been named, showed as a producer of from 600 to 700 barrels of high grade oil. The test was made with the newly devised Johnson formation drill stem tester, made by an El Dorado firm. Following the test the Pure set casing and the well will likely be bailed within the next few days. It is located on the Gregory farm, where the largest producer yet discovered in the field, the C. E. Murdock No. 1, was brought in, making upward of 5,000 barrels of oil.

The initiative step in the deepening program is the Magna Producing Company and associates. This firm is now taking cores in its Dumas No. 1, in section 11-17-14, east of the Gregory Sun well. Cores are being taken at 3,115 feet, three feet below the level of the sand found in the Sun test. It is said the showing is very promising.

Other companies and independent operators in the field, where wells at the shallower depths have failed to produce, are expected to follow suit in the deepening process.

A rig has been moved on the Sol Simon location in section 21, a mile south of the proven field and a half-mile west of the Edwin Jones test in section 22-17-14.

The Jones well is said to be making some progress at around 3,200 feet. It is understood the test will be taken to 3,500 feet unless a sand is found at a shallower depth.

Simrall and associates have temporarily shut down on their Findley No. 1 in section 12-17-14. A good showing was had in this test at 3,164, and it was planned to go deeper at once, but the owners have only a 20-acre lease and have therefore decided to suspend operations pending further development in the field. The well tested between 7,000,000 and 8,000,000 cubic feet of dry gas.

Dr. J. S. Rushing, trustee, is still seeking a sand at a lower level in the two Alice-Sidney wells in the Rainbow City field.

The wildcat test being drilled on the Union Sawmill Company's land near Huttig by C. A. Berry and others is reported drilling at below 2,100 feet.

NEW WELL COMES IN AT EL DORADO

Gazette 4/5/28
Will Stimulate Drilling at Lower Level in Rainbow City Field.

Special to the Gazette.

El Dorado, April 4.—The Pure Oil Company's well No. 1, on the Gregory farm in section 10-17-14, Rainbow City field, came in today with a flow estimated at more than 2,000 barrels of clean oil per day.

The well was bailed from a depth of 3,152 feet and started flowing after a few trips had been made with the bailer. The flow during the first hour was 117 barrels, but there was a slight decrease later. The oil tested 35.5 gravity, according to reports this afternoon.

The well was bailed in after a three-day delay owing to unexpected work of clearing the hole after former tests. The Gregory well was tested at a shallower sand some time ago and it was decided to seek a deeper production. This is the deepest production ever found in the El Dorado district.

Oil operators here are elated over the performance of the well and indications are that a number of other wells in the vicinity which proved failures at a lesser depth will be taken to the 3,100-foot level. One other, the Magna Production Company No. 1 on the Dumas farm in section 11-17-14, already is down 3,100 feet and probably will test at this stage.

LOWER OIL STRATA CLAIMS ATTENTION

Gazette 4/8/28

Surface Wells in El Dorado Field Being Drilled Deeper.

Special to the Gazette.
El Dorado, April 7.—Attention in the El Dorado oil district now is centered in the outcome of a newly discovered deep oil sand, that found in the Pure Oil Company's Gregory well No. 1 in section 10-17-14, the deepest producing strata reached in the state. The oil fraternity is taking a keen interest in developments.

The Pure well, which has proved a gusher of the boom days type by flowing at the rate of 1,800 and 2,000 barrels of pipe line oil without let up for more than three days, has uncovered a sand hitherto untapped in the new field. The well was brought in from a depth of 3,140 feet, more than 400 feet below the famous third sand in the Smackover field of three years ago, and from 200 to 400 below the Rainbow City strata. It came in flowing at the rate of 117 barrels per hour, later settling down to 80 barrels or a little over 1,900 barrels per day. The oil tested 35.5 gravity, which is high quality. There is no water or basic sediment.

Inspired by the results of this well, the Ohio Oil Company, which has drilled more than a half dozen wells in the vicinity of the discovery well on the Richard Pumphrey farm, most of which have been disappointments, will start another test. This, it is understood, will be taken to the lower sand. The well will be known as the Willie Pumphrey and will be an offset to the Richard Pumphrey No. 7. Location has been made and the derrick is on the ground.

The Magna Producing Company's Dumas No. 1 in section 11-17-14 now is at about the same level as the Pure gusher and the company believes the producing sand has been struck. A drill stem test is expected to reveal whether the producing stratum extends to the Dumas farm, which is less than a mile east of the Gregory well. The Magna well was tested at a shallower depth and promised good production but when bailed in was a disappointment.

It is expected that a large number of shallow wells in the Rainbow City field, now producing only a small amount of oil or entirely abandoned at the 2,700-foot level or thereabouts, will be deepened in search of the new producing sand. Lease and royalty trading around the new well is picking up and fancy prices have been paid.

Sol Simon and others have started operations on their Jerry test in section 21-17-14, in semiwildcat territory northeast of Lawson. A mile east Edwin M. Jones and associates are reported shut down temporarily on their test at below 2,500 feet.

In the southeast end of the county near Huttig, C. A. Berry and others are drilling on the R. W. Rhodes Union Sawmill No. 1 at between 2,500 and 2,600 feet, after passing through 400 feet of hard formation. The well is located in section 14-19-11 on a large block.

NEW DEEP SAND IN RAINBOW CITY FIELD

Gazette 4/12/28

Magna Producing Company's Dumas No. 1 Is Rated at 5,000-Barrel Producer.

Special to the Gazette.
El Dorado, April 11.—The Rainbow city oil field scored its second potential big-time gusher today when a drill stem test on the Magna Producing Company's Dumas No. 1 well, in section 11-17-14, showed a flow of between 5,000 and 8,000 barrels of pipe line oil.

The test was made at a depth of 3,323 feet, the deepest sand ever found in the state, and the oil is of 35 gravity or above, early reports said. The gas pressure was strong throwing the oil through the drill stem high into the derrick and drenching members of the crew.

Casing will be set and the well brought in at this depth, it is understood. The well is located in the southeast of the northwest of 11-17-14, less than a half-mile east of the Pure Oil Company's 2,000-barrel well, which came in last week from a depth of 3,212 feet.

Considerable excitement followed reports of the test today, and operators are enthusiastic over the prospects. It is believed that an entirely new sand, never before struck in this territory, has been uncovered.

The two wells are more than 300 feet below any oil sand ever encountered here before. Leasing and royalty trading have taken on new life and choice acreage has advanced in price.

"Dock" Dumas, farmer, who owns the land where the new deep sand has been discovered, is another potential wealthy landowner with prospects of a dozen or more gushers in his place.

Already four new tests have been started in the field, all in search of the deep sand, and others are in prospect. It is expected that within the

next few weeks the 3,200-foot sand will be given a thorough test.

SEVERAL NEW TESTS IN EL DORADO FIELD

Gazette 4/13/28

Optimism Follows Discovery of Deep Sand on Dumas Farm.

Special to the Gazette.

El Dorado, April 12.—Optimism that prevails in oil circles here following the discovery of a new deep sand in the Rainbow City field at a depth of 3,200 feet, has been given a further boost with the starting of several new tests and the deepening of old wells in the field.

The Alice Snider well, owned by Dr. J. S. Rush, located on the Townsend place, section 10-17-14, created a flurry of excitement today when it suddenly blew in while the crew was taking a core from a depth of around 2,700 feet. The well was closed in and it is understood the pressure will be mudded off and drilled on down to the new pay sand.

It is believed that the blowout was from the same sand that promised production on a large scale two months ago, but proved a disappointment. All operators are now apparently heading for the deep sand, passing up the former level at 2,700 and 2,900 feet.

Meanwhile the Magna Producing Company and the Oil Well Corporation, owners of the test on the "Dock" Dumas farm, in section 11-17-14, which showed as a gusher worth from 5,000 to 8,000 barrels in a drill stem test yesterday, are preparing to bring the well in from a depth of 3,239 feet. The outcome, which will be known within the next week or so, will be awaited with keen interest.

RAINBOW SEEN AS NEXT BIG FIELD

Gazette 4/15/28

Gusher and Heavy Producer Focus Attention on New Strata.

Special to the Gazette.

El Dorado, April 14.—With one well already producing as a gusher from the newly discovered deep sand, a second showing good for several thousand barrels per day in a drill stem test from the same level and a third drilling for "the pay," all within a half-mile of each other, the Rainbow City field gives promise of coming into its own as the next big pool in south Arkansas.

The oil fraternity is watching closely the outcome of the latest well, the Magna Producing Company and the Oil Well Corporation Dumas No. 1 in section 11-17-14, which showed as a producer of 5,000 and 8,000 barrels of 35.2 gravity oil in a drill stem test. A spray of oil was thrown to the crown block and the companies immediately set about to bring in the well at this depth, 3,239 feet.

The Pure Oil Company's Gregory No. 1, in section 10-17-14, is holding up as a big gusher, flowing into the tanks with almost as much force as a week ago. It came in making more than 1,000 barrels per day from a depth of about 3,230 feet.

Following closely on the heels of the big Magna Producing Company and Oil Well Corporation well, a blowout occurred on the Alice Sidney test on the Townsend farm in section 11-17-14 while the crew was taking a core. The blowout was from a depth of 2,850 feet, nearly 400 feet above the new producing sand. The well was at once closed in and work started toward mudding off the pressure so that the test can be put down to the deeper sand. The gas pressure was strong enough to throw a column of oil and water to the crown block. The Alice Sidney well is being drilled by Dr. J. S. Rushing, trustee, who named the test after his father and mother. He is drilling another test on the same land, but the second has been closed down pending outcome of the present well.

Four new tests are under way in the Rainbow City field and several others are being planned.

The Arkansas Drilling Company is starting a well on a five-acre lease in the northeast corner of the southeast quarter of the northeast quarter of section 11-17-14, a quarter-mile from the Carroll No. 1 of the Magnolia Petroleum Company, which has been producing 285 barrels per day for several months. The Magnolia well has held up better than any of the earlier wells in the field, and a test in this vicinity is looked upon with optimism. The Magnolia is pumping from around 2,800 feet.

The Arkansas Drilling Company also is rigging up a test on the Rowland farm in section 15-17-14, south of the two latest producers, as an offset. The owners have secured a small lease in this section.

C. E. Murdock and associates, owners of the E. F. Gregory well in section 10-17-14, which created a furore a month ago by flowing a short time at the rate of 8,000 barrels per day, will drill an offset to the Pure third sand well. It will be located in section 10-17-14, southeast corner, southeast southwest.

Sol Simon has started drilling on his Jerry No. 1 in the northeast corner of the southeast quarter of the southwest quarter of section 21-17-14. This well is a semi-wildcat and a producer here would extend the field more than a mile to the south.

The Ohio Oil Company, pioneer in the new field, has started another drilling campaign in the vicinity of the original discovery well, the Ohio Crain No. 1, in section 11-17-14. The company is starting up on its Willie Pumphrey No. 1, which will be taken to the deeper sand, it is understood. Former tests by the company in this vicinity have never been taken to the lower level.

Cabaniss and others are placing a derrick on the ground for a test in section 33-17-14, three miles south of the present limits of the Rainbow City field.

Progress is reported satisfactory on the R. W. Rhodes well on the Union Sawmill property in the southeast part of the county near Huttig. The well is located in section 14-19-11, and is reported drilling below 2,600 feet. The owners have a large block of acreage.

Speculation has been rife following the bringing in of the Pure well and the test of the Magna, both from the 3,200-foot sands. Many contend that an entirely new formation has been uncovered, while others hold that it is a dip in the old Smackover third sand, ago this month with its sensational which startled the oil world three years production, when 70 wells were brought in in one week, an average of 10 per day. It is believed that this latter theory will be tested out with the drilling of wells to the north of the Rainbow City field. The new field is approximately nine miles southeast of the Smackover and Norphlet fields.

Leasing and royalty trading have been active during the last week, mostly in the vicinity of the new wells. One large deal was completed, however, in settled production. The Marine Oil Company of El Dorado has purchased a lease from J. W. Robins, trustee, in section 34-15-15 for a consideration of \$105,000, of which \$50,000 was cash, the balance in oil. The deal comprises 150 acres in the southwest quarter of the southwest quarter of 34, and has a number of producing wells.

ANOTHER PRODUCER IN EL DORADO FIELD

Gazette 4/18/28

Dumas No. 1 Blows In With Estimated Flow of 4,000 Barrels.

Special to the Gazette.

El Dorado, April 17.—The Dumas No. 1 well of the Magna Producing Company and the Oil Well Corporation in section 11-17-14, Rainbow City field, blew in unexpectedly late today with an estimated flow of around 4,000 barrels of pipe line oil and a gas production of 7,000,000 cubic feet of gas per day.

The well came in while the crew was making preparations for a test tomorrow morning. The "Christmas tree" had just been attached to the casing when the well shot a stream of oil and gas. The well was placed under control and will be allowed to flow. Storage for 4,000 barrels had been erected in anticipation of a gusher and the tanks are being filled. A line near-by will take care of the production.

The well blew in from a depth of 3,234 feet, the so-called third sand of the Rainbow City field, which 10 days ago yielded the first gusher that is still flowing 1,800 barrels of oil per day. The oil from the new producer is 35.7 gravity and has only eight tenths of one per cent basic sediment.

The Magna well is located in the center of the southeast quarter of the northwest quarter of section 11-17-14 and is less than a half mile from the big gusher of the Pure Oil Company on the Gregory farm. The Magna will move another rig on the land in a short time. This company also is planning a test on its Rowland No. 2 in section 14-17-14, a mile southwest of the gusher.

NEW STRATA SEEN AS BIG PRODUCER

Gazette 4/22/28

Rainbow City Deep Sand Production May Equal the Smackover Boom.

Special to the Gazette.

El Dorado, April 21.—With two gushers already producing from the new deep sand, a crew coring for the formation on a third and approximately a dozen new locations made for additional wells, the Rainbow oil field northeast of El Dorado promises to become one of the most prolific since the 1925 Smackover deep sand boom.

The Magna Producing Company and Oil Well Corporation well No. 1 on the Dumas farm and the Pure Oil Company well on the Gregory farm are holding their own as gushers of the first class, both making in excess of 1,500 barrels per day. The Pure well has been flowing more than a week, while the Magna has been in since Tuesday.

An important core test is being made by Dr. J. S. Rushing, trustee, on the Alice Sidney well in section 11-17-14, on the Townsend farm. This well has been drilled to a depth of 3,192 feet, about 40 feet higher than the other two wells in the deep sand. A rich looking sand was passed through at this depth and it was decided to make a test.

Five Locations Made.

Since the Pure well came in the company has made five locations and several derricks have been erected. The Ohio Oil Company, pioneer in the Rainbow City field is starting tests in several directions. Most of the tests are in sections 10 and 11-17-14, in the vicinity of the two gushers.

Belief that the deep sand, which is more than 400 feet below that of the famous Smackover deep strata discovered in the spring of 1925, extends far outside the new field is expressed by oil men. The Sinclair Oil Company will make a deep test of its Berry 7-A in section 33-15-15, Ouachita county, north of Griffin on strength of the belief. This is believed to be the beginning of a general deepening program, like that which followed the discovery of the Smackover deep sand. Rumors are that operators are planning to go back to Urbana and Lawson and search for this sand. Most of the tests in that sector, which promised a field in the summer of 1926, were shut down at less than 2,900 feet.

Strata Believed Prolific.

The theory has been advanced that the new sand is the Trinity, which has been uncovered in fields of north Louisiana and has proven the most prolific of producers in the mid-continent fields.

The two producers in the new sand are at the following depths: Magna, 3,239; Pure, 3,208, with corrections in surface elevation. The oil is of 35.8 gravity and free of water and basic sediment.

For the first time the Rainbow City field last week was in the class of heavy producers, passing the 1,000-barrel mark. The list showed the field's daily runs at 2,600 barrels, which included that of the Pure gusher, but not the Magna, which came in after the weekly report was compiled. About a half dozen wells are being pumped in the field, all from the shallower depths and averaging not more than 100 barrels per day each. Arkansas production showed an increase of 4,400 barrels in weekly runs.

New Tests Announced.

Among the new tests and locations announced this week are: Pure Oil Company: southwest corner se-se 10-17-14, sw-sw 11-17-14, and nw, sw, 11-17-14, all on the E. F. Gregory farm; ne, nw, ne 15-17-15, N. J. Gregory; ne, ne, sw 11-17-14, J. M. Gregory; Cabaniss and others, nw quarter 33-17-14, Ohio Oil Company, ne, se, ne 15-17-14, W. L. Rowland.

The Magna Producing Company will make a test on its W. L. Rowland No. 2 in section 15-17-15 Monday. This well is the farthest south to be tested in the last several weeks. The outcome will be watched with keen interest.

Back in the old part of the field, where the Ohio Oil Company brought in the first well more than six months ago, this same company is drilling on its Willie Pumphrey in the southwest of the southwest of the northwest of section 2-17-14. It is understood that this well will be taken to the deep sand, as will the Crain No. 4 in the southeast part of section 2-17-14.

Limelight on Moore Test.

Outside of the Rainbow City field considerable interest is attached to a test on the J. O. Moore and associates well on the Pagan farm in section 18-18-11, five miles northeast of Strong. This well is approximately 2,640 feet deep and reports indicate the formation is promising.

The R. W. Rhodes well on the Union Sawmill land in section 14-19-11, three miles northwest of Huttig, is drilling at below 2,600 feet. The well is being drilled by C. A. Berry and associates, who have considerable block. The formation is checking up favorably, according to reports.

W. R. Keever's No. 3-B Ezzel in section 12-17-15 is reported 50 feet in oil at 2,129 feet, with the bottom of the hole in four feet of sand. The Magnolia Petroleum Company's Cranston No. 4, section 19-19-14, will test soon at around 2,175.

Coring of Alice Sidney Well No. 1 Completed.

Gazette 4/23/28

Special to the Gazette.
El Dorado, April 22.—Coring was completed yesterday on the Alice Sidney well No. 1, on the Gregory farm, in section 11-17-14, Rainbow City field, and the crew began to set casing today.

The well, which is being drilled by Dr. J. S. Rushing, trustee, was cored at a depth of 3,205 feet, and an excellent showing was made considerable difficulty was encountered in making the cores, the crew having started Thursday night.

BAILING STARTS ON RAINBOW CITY WELL

Gazette 4/24/28

Magna Company Has Producer at Depth of 2,992 Feet.

Special to the Gazette.

El Dorado, April 23.—The Magna Producing Company early today bailed in its W. L. Rowland well No. 2, in the southwest of the northwest of the northwest of section 14-17-14, Rainbow City, from a depth of 2,992 feet. The well has been making heads of oil and gas every few hours and estimates place its production at around 250 barrels a day. The oil is of 32 gravity and contains some water.

The well is in the old shallow sand of the Rainbow City pool. The company will swab in an effort to make it flow. If this fails, the well likely will be drilled down to the deep sand at around 3,200 feet.

Dr. J. S. Rushing has set casing on his Alice Sidney No. 1 well on the E. F. Gregory farm, in section 11-17-14, where an excellent core was found at 3,192 in the deep sand.

Meanwhile, new derricks are going up every day in the field. The Pure Oil Company has two new rigs ready to start on the E. F. Gregory farm, in

section 11-17-14. O. W. Estes is drilling on the W. L. Rowland, in section 14-17-14. C. E. Murdock is drilling at around 700 feet on the J. M. Gregory No. 1, section 10-17-14, and rigs are being moved to other locations.

ACTIVITIES CENTER IN RAINBOW CITY

Gazette 4/29/28

12 Companies Seek Deep Sand in Latest Arkansas Oil Fields.

Special to the Gazette.

El Dorado, April 28.—With nearly a dozen rigs running on new locations in the Rainbow City field in search of the deep sand in various directions from the gushers of the Magna Producing and Oil Well Corporation and the Pure Oil Company, it will be only a matter of weeks until the new area will be defined definitely, in the opinion of competent oil men.

New wells have been started in both the new and older parts of the Rainbow field since the discovery of a producing sand at a new depth. Most of the new locations are in the vicinity of the deep sand gushers, but several have been started in the older part of the field. The principal activity is in sections 10, 11 and 14-17-14, while back in the older part of the field several wells are drilling in section 1-17-14, not far from the Ohio discovery well on the Crain farm.

The only well to be tested lately at a higher level sand was the Magna Producing Company's W. L. Carroll No. 2 in section 14-17-14, which was bailed in from a depth of 2,992 feet. The well flowed by heads for a time, making about 200 barrels per day, and was swabbed in an effort to make it flow steadily. It is understood that the company now plans to deepen the test to the 3,200-foot sand.

Eyes are now centered on the Alice Sidney No. 1 of Dr. J. S. Rushing, trustee, in section 11-17-14 on the E. F. Gregory farm. This well will be tested at 3,205 feet this week. A core taken from this depth Sunday showed a rich looking sand and casing was set at once. The well is less than a half-mile east from the big gusher of the Pure Oil Company on the Gregory farm in section 10, and a producer would prove up the deep sand in that direction. The Alice Sidney is located in the southwest corner of the southwest of the northwest.

Pure Has Two Tests.

The Pure Oil Company has two new tests started on the E. F. Gregory farm in section 11. They are located as follows: Northwest of the southwest of the southwest and the southwest corner of the southwest of the southwest, 11-17-14. O. W. Estes is drilling on his Rowland No. 1 in section 14-17-14, an offset to the Magna Rowland well.

In section 10-17-14, a short distance west of the Magna gusher C. E. Murdock is drilling at around 1,000 feet on his No. 2. This well is located in the southeast of the northeast of the southeast, and will be taken to the lower sand.

Back in the older parts of the field the Lion Oil Refining Company is starting a test on the C. B. Nash place in the northwest of the northwest of the southwest of section 1-17-14, a short distance from the Ohio discovery well. The Arkansas Drilling Company is drilling on a five-acre lease on the Carroll farm in the same section. This is said to be the smallest lease in the field on which a well has yet been located.

The pioneer company in the Rainbow City field, the Ohio Oil Company, has gone back to the old part of the

territory and is now drilling on the R. A. B. Smith farm in section 1-17-14. The well is in the southeast corner of the northeast quarter of the section and is a half-mile northeast of the first producer in the field, on the Crain farm. The Magnolia Petroleum Company, which drilled several tests on the Carroll farm when the field was first brought in will start a campaign, according to reports.

A block of acreage in the vicinity of the Dr. R. A. Hilton farm in section 23-18-16, near Parkers chapel is being secured by local men for a test. It is reported the well will be taken to around 4,000 feet if a producing sand is not found at a lesser depth.

The Sinclair Company is reported drilling on its deep test on the Berry land in section 33-15-15 near Griffin. Discovery of the deep sand in the Rainbow City has revived hopes that producing stratas exist at lower depths in various parts of the older territories. Few tests have been taken below 3,000 feet due to the cost. During the last week there has been considerable talk of a thorough test in the vicinity of Lawson and Urbana, where nearly two years ago the promise of a field was ruined by the appearance of salt water. The oil was found at a depth approximately the same as in the shallower producers in the Rainbow City field.

A wildcat well in section 18-18-11, on the E. E. Pagan land five miles northeast of Strong has caused considerable interest. It is being drilled by J. O. Moore and associates and was cored at a depth of about 2,640 feet. The core indicated oil bearing sand, it was reported, but the owners decided to drill deeper. The well is about 10 miles southeast of Urbana.

The R. W. Rhodes well on the Union Sawmill land in section 14-19-11, northwest of Huttig, is drilling below 2,700 feet. This test is being drilled by C. A. Berry and others on a large block. Several promising sands have been encountered.

Rains have seriously hindered the rebuilding of derricks wrecked by windstorms of a week ago, but several of the wells have been placed on the pump again. It is estimated that the loss in production during the rebuilding period will be from 10,000 barrels per day upward.

New Rainbow City Well Will Be Bailed In Soon.

Special to the Gazette.
El Dorado, April 28.—Dr. J. S. Rushing, trustee, will bail in the Alice Sidney well No. 1 on the E. F. Gregory farm in section 11-17-14, Rainbow City field tomorrow or early Monday. The plug was drilled early tonight and preparations are being made for the test.

The casing was set in the Alice Sidney well last Sunday at a depth of 3,205 following the taking of cores. The test at that time showed a rich sand and the prospects are good for a gusher such as the first two wells from the deep sand in that territory.

The Arkansas Drilling Company, drilling on the W. L. Rowland land in section 14-17-14, has struck sand at around 3,165 feet. It is understood that a test will be made either by drill stem or cores.

THIRD BIG GUSHER AT RAINBOW CITY

Alice Sidney Well Comes In, Making 3,500 Barrels a Day.

Special to the Gazette.
El Dorado, April 30.—Rainbow City oil field, 12 miles northeast of El Dorado, scored its third big gusher today when the Alice Sidney well of Dr. J. S. Rushing in section 11-17-14 came in, making around 3,500 barrels of oil a day.

The well soon cleaned itself and settled down to a steady flow of oil, with a considerable gas pressure. The fluid is comparatively free of water and is around 34 gravity, according to reports.

Storage has been erected at the location and the flow will be taken care of. The well came in after being bailed only a short time and was soon under control.

Completion of the Alice Sidney well more definitely proves the existence of a pool of high gravity oil in the deep sand area of the Rainbow City field. The plug was drilled in the Alice Sidney at 3,205 feet, approximately 30 feet higher than where the sand has been struck in other wells in the field.

News of the new producer was not unexpected, as operators and others interested in the field had predicted a gusher. A rich core was taken from the well a week ago and casing set immediately. Dr. J. S. Rushing, El Dorado dentist and owner of the well, spent a small fortune prospecting for oil on the location, according to reports.

One of the largest deals reported recently in the new field was sale of a lease by George W. James in section 15-17-14 to the Lion Oil Refining Company for a cash consideration of \$20,000 and a bonus running as high as \$50,000 in oil, depending on the production of a well now drilling on the land. The lease is located on the W. L. Rowland farm.

Considerable interest is being shown

in a wildcat test on the E. E. Fagan land in section 18-18-11, five miles northeast of Strong, where a good gas sand is said to have been found. Reports that the well had blown in late today were unconfirmed.

Flow in Rainbow City's Latest Gusher Continues.

Special to the Gazette.
El Dorado, May 1.—The Alice Sidney No. 1 well of Dr. J. S. Rushing, trustee, on the E. F. Gregory land in section 11-17-14, Rainbow City field, which came in yesterday as a gusher at the rate of 4,000 barrels of pipe line oil per day, is holding its own, according to reports today. Extra storage is being built to take care of the flow. A pipe line to the lease having proved inadequate. The oil is worth \$1.25 per barrel, which makes the wells production worth \$5,000 per day, of which Rushing owns seven eighths and E. F. Gregory one-eighth.

Dr. Rushing is drilling on his second test on the 20-acre lease, the Alice Sidney No. 2, about 200 yards northeast of the No. 1. This test is around 2,800 feet and will be drilled to 3,200 for the gusher sand.

The Arkansas Drilling Company is preparing to set casing in the W. L. Rowland No. 1 owned by the Lion Oil Refining Company in section 15-17-14 at 3,205 feet, the same depth at which the Alice Sidney No. 1 was brought in. The 40-acre lease on which this well is located sold three days ago for \$20,000 cash with a provision for a bonus of 350,000 barrels in oil if a well good for 1,500 barrels or more is obtained.

The J. O. Moore wildcat well on the Pagan place in section 18-18-11, northeast of Strong, is being reamed at 2,710 feet and a test will be made soon. The well has attracted considerable attention in the last few days.

Acreage in leases and royalties is changing hands fast in the vicinity of the deep sand, particularly in sections 10, 11 and 14-17-14.

New Rainbow Field Well Has 4,000-Barrel Flow.

Special to the Gazette.
Shreveport, La., May 1.—Gregory No. 1 of Rushing and others in section 11-17-14, of the new Rainbow oil field, southern Arkansas, has come in with an initial flow of 4,000 barrels daily at 3,210 feet.

RAINBOW GUSHER INCREASES FLOW

Now Gauging 4,500 Barrels Daily After Coming In Monday.

Special to the Gazette.
El Dorado, May 2.—The Alice Sidney No. 1 well of Dr. J. S. Rushing in section 10-17-14, Rainbow City, increased its flow today to approximately 4,500 barrels, a gauge this afternoon showed.

The well came in two days ago, making 4,000 barrels and has been flowing steadily since with increasing pressure. A pipe line owned by a refinery has been taxed to capacity to take care of the oil from the gusher, which is the largest since the deep sand in

the Smackover field was discovered three years ago.

The Arkansas Drilling Company has set casing on the Lion Oil Refining Company's W. L. Rowland No. 1 in section 15-17-14, and will be ready for a test at 3,206 feet, the same depth as the Rushing well.

Reports from the Smackover area today said the Sinclair Oil Company struck deep sand in a test of the Berry well, in section 33-15-15, southwest of Snow Hill.

Several wildcat tests are being planned in the vicinity of the Rainbow City field, while approximately a dozen rigs are drilling on leases adjoining the producers.

GAS PROPERTIES AT EL DORADO SOLD

S. S. Hunter Estate Disposes of Holdings to Industrial Company of Bastrop.

Special to the Gazette.

El Dorado, May 2.—Sale of the Arkansas holdings of the Ouachita Natural Gas Company owned by the S. S. Hunter estate of Shreveport, La., to the Industrial Gas Company of Bastrop, La., was announced here today. The Hunter estate paid \$1,300,000 for the property six months ago when it purchased holdings and the gas franchise of the El Dorado Gas Company from S. R. Morgan and associates.

The purchase includes a 100-mile pipe line from Monroe, La., to El Dorado and Camden, which feeds the gas system of the company in the two cities. The line was built about a year ago by the El Dorado Gas Company.

The Industrial Gas Company is a Florida firm and the Bastrop district is in charge of W. J. Parkes. The El

Dorado district will be in charge of L. D. Wells, according to the announcement today. The company claims to own and hold under lease 50,000 acres of gas lands near Monroe.

Eight Drilling Permits.
The Department of Conservation and Inspection issued eight permits yesterday to drill new wells in Union county adjacent to the new field in township No. 17. The permits follow: J. F. Rushing, trustee, E. F. Gregory Nos. 3 and 4, Section 11-17-14; Pure Oil Company, E. F. Gregory No. 6, in 11-17-14; Geo. R. Rice and others, Meyers No. 1, in 23-18-16; Maynard Producing Company and Oil Well Corporation, J. Dumas No. 4, in 11-17-14; Lion Oil Refining Company, Kelly No. 1, in 16-17-14, and Rowland Nos. 2 and 3 in 15-17-14.

ANOTHER PROSPECT AT RAINBOW CITY

Coring Has Started in Alice Sidney No. 2 on Gregory Farm.

Special to the Gazette.
El Dorado, May 5.—The deep oil sand in the Rainbow City field was believed to have been struck in another well late today when coring was started on the Dr. J. S. Rushing, trustee, Alice Sidney No. 2 in section 11-17-14 on the E. F. Gregory farm. The coring was in progress at 3,195 feet, the same depth at which the No. 1 was cored two weeks ago.

The No. 1 Alice Sidney, about 300 yards southwest of the one now being cored, has steadily increased its flow since coming in as the biggest gusher in the field last Monday. The first day it gauged approximately 4,000, and today's gauge showed it to be flowing at the rate of 180 barrels an hour, or 4,320 a day.

Dr. Rushing has made two more locations on his 20-acre lease and will start drilling soon. The next test scheduled is that of the Lion Oil Refining Company on the W. L. Rowland land in section 15-17-14A and will be made tomorrow on Tuesday.

One of the largest deals in the new field was recorded at the office of the circuit clerk today. For a consideration of \$325,000 in cash and \$5,000 in oil, A. C. Gaddy and others sold to J. W. Oliver, El Dorado operator, three-sixteenths of the royalty to 200 acres in section 14-17-14.

An instance of the high prices paid for royalty was revealed in the sale of one 256th part royalty to 40 acres in section 10-17-14 for \$1,000.

DRILLING RIGS DOT RAINBOW CITY FIELD

Much Activity in South Arkansas Follows Alice Sidney Gusher.

Special to the Gazette.

El Dorado, May 5.—The close of the first week since the bringing in of the Rainbow City oil field's third and largest gusher, the Alice-Sidney No. 1 of Dr. J. S. Rushing trustee, on the E. F. Gregory land in section 11-17-14, sees approximately 25 drilling rigs in operation and eight additional derricks going up on new locations, according to a survey made today.

Most of the new rigs are in the vicinity of the three gushers but the activity is spread over the field from beyond the northern boundary in section 1-17-14 to more than a mile south of the producing wells in section 10, 11 and 14-17-14. Warehouses are being built on many of the leases. It is estimated that in less than 10 days 12 wells will be nearing the "pay sand."

The next test scheduled is that of the Lion Oil Refining company on the W. L. Rowland land in the northeast of the northeast of section 15-17-14. Casing was set in this well last Tuesday at 3,205 feet following an excellent showing. The sand was struck at approximately the same depth as the Rushing well. The Arkansas Drilling Company, contractors on the well, plan to drill the plug and bail not later than Tuesday. The 40-acre lease on which it is located was recently sold by George W. James, local capitalist, for \$20,000 cash and an additional \$50,000 in oil if the well makes as much as 1,500 barrels per day.

Dr. Rushing, trustee, will drill two more and probably three additional wells on his 20-acre lease in section 11-17-14, where the Alice-Sidney No. 1, was drilled.

Reposals are that the Sinclair Oil Refining Company and other companies heretofore not in the Union county fields plan to enter the Rainbow City territory. Sinclair has properties in Ouachita county, and is making a deep test of the Berry No. A-7 in section 33-15-15, between Norphlet and Snow Hill. The test is progressing satisfactorily, according to reports.

One disappointment was reported on a wildcat when the well of J. O. Moore and others in section 18-18-11, on the E. E. Pagan place five miles northeast of Strong showed salt water on a drill stem test. Considerable gas pressure was in evidence but there was no show of oil. The test was made from a depth of 2,715 feet, between two hard rock formations. The owners plan to drill to 3,200 feet unless a well is obtained at a lesser depth.

The Charles F. Noble test, being drilled by Tulsa capital is about ready to set surface casing. It is located on the Murphy farm in section 36-16-16, five miles northwest of El Dorado and a short distance south of the Smackover extension. A deep test will be made.

The Magna Producing Company has made a new location on the Dock Dumas place in southeast corner of the east half of the southwest of the northwest of section 11-17-14. This well is on the same farm as the Magna and the Oil Well corporation's No. 1, which blew in making around 2,000 barrels and is still flowing.

The Lion Oil Refining Company has set surface casing on the R. A. B. Smith lease in section 1-17-14, the old part of Rainbow City field, and drilling is in progress. The Magnolia Petroleum Company, which already has one good producer in the oldest part of the Rainbow field, has started its Carroll No. 3 in the same section. The Magnolia's first well on the Carroll farm, drilled more than five months ago, is still producing around 200 barrels per day. This sand is approximately 2,900 feet and the oil is of lower gravity than that from the 3,200-foot level.

In section 6-17-13, east of the field, the Lion Oil Refining Company is drilling below surface casing on its C. B. Nash test. This is the farthest eastward outside test to be started.

The Rovenger Oil Corporation, which drilled the first wildcat in the Rainbow territory, is drilling below surface casing on its Perdue No. 1 in section 10-17-14, near the big producers. Sam Hunter has rigged up on a test in the northwest corner of section 33-16-14, and it is reported that the Owenwood company will go back to an old test in section 31-16-14.

The Rowland No. 2 of the Magna Producing Company, which was drilled in two weeks ago from 2,992 feet, is producing at the rate of about 200 barrels per day. It is located in the northwest corner of section 14-17-14, and is an offset to the Lion No. 1, which will be drilled in from the deep sand early next week.

Edwin Jones, after shutting down his Stegall No. 1 in section 22-17-14 for several weeks, has resumed operation and will seek the 3,200-foot sand. This well is a mile south of the Rainbow City field proper and a producer in that section would add a wide territory to the field.

It is reported that the Imperial Oil and Gas Products Company, which drilled the Goodwin test west of El Dorado in the old West field some time ago, will go back and deepen the hole.

Dr. J. C. Falvey, Johnson Bros. of the Arkansas Drilling Company and W. M. Coats are starting a well in the southwest of the northwest of the southwest of section 10-17-14 on a 50-acre lease.

Tests now underway northwest of the Rainbow City pool are expected to determine whether or not the new field connects with Smackover, the east extension of which is about seven miles northwest of the new field. The Sam Hunter test in 33-16-14 is one of these, while the Owenwood is another, located in 31-16-14.

Salt Water in Rainbow Well

Faulty Casing Believed Reason--Big Lease Deal Made.

El Dorado, May 10.—(Special.)—The showing of salt water in the W. L. Rowland No. 1 well of the Lion Oil Refining Company, in Section 15-17-14, latest well to test in the Rainbow City field, is believed to have been due to a faulty casing seat and this first setback in the deep-sand development has met dampened interest or activity in the field.

A smaller string of casing will be set in an effort to shut out the salt water and a new test probably will be made the last of the week of the formation encountered at 3,205 feet. More cores have been taken from the well and these are said to have revealed as rich an oil sand as has been unearthed in any of the other tests that have resulted in big-time producers.

Deals for acreage continue to be closed from day to day. One of the largest recorded recently is that whereby J. W. Stegall sold to the Marine Oil Company and Eddie Jones a lease on 240 acres in Section 22-17-14 for a cash consideration of \$12,000, with an additional \$12,000 in oil from 7-16th production.

A test that will determine, in a measure, whether the Rainbow City deep sand connects up with the old Smackover field is creating more than passing interest. This well is the M. O. Jones No. 1 of Sam Hunter, Mr. and Mrs. R. K. Jones et al., in Section 33-16-14, two miles northwest of Rainbow City. A large number of leases and assignments have been filed for record in connection with this outside venture. Another well in that

same vicinity, the O. T. Murphy No. 1 of Charles T. Noble, Tulsa operator, in Section 33-16-16, is drilling and good progress is being made.

One of the next tests for Rainbow City will be on the Gregory No. 2 of the Alice-Sidney Oil Company, in Section 11-17-14. This well, an offset to the No. 1, which has been making better than 4,000 barrels daily for the past week, has casing set and will be drilled in the last of the week. The Alice-Sidney, of which Dr. J. S. Rushing, El Dorado, is trustee, also has derricks up for the No. 3 and No. 4 tests on the same lease.

TWO TESTS SET IN RAINBOW CITY FIELD

Trend of New Deep Sand May Be Determined This Week.

Special to the Gazette.

El Dorado, May 12.—Two important tests are set for the Rainbow City oil field next week, the outcome of which will determine to a large extent the trend of the new deep sand in that territory.

Dr. J. S. Rushing will test his Alice Sidney No. 2 in the northeast corner of the west half of the northwest of southwest of section 11-17-14 on the E. F. Gregory farm not later than Monday. The Lion Oil Refining Company's W. L. Rowland No. 1 in section 15-17-14 will be drilled in Sunday or Monday.

A string of four and one-half inch casing has been run in the Lion Oil company's W. L. Rowland No. 1 in the northeast corner of section 15-17-14, where a test last Monday showed salt water and gas. The well is in the deep sand at 3,212 feet, but the drilling contractors, Arkansas Drilling Company, are confident the water leaked in through a bad casing seat. Hence the new string of casing is expected to cut off the water trouble.

The O. W. Estes well No. 1 on the Rowland land in the northwest southwest northwest of section 14-17-14 has struck the shallow sand at a depth of 2,979 feet and a thorough test will be made, it is understood. The well was cored from this depth to 2,996 and a rich oil sand was brought up. This has produced several good wells in the Rainbow City field, notably the Magnolia Petroleum Company's Carroll No. 1 in section 1-17-14, which has been producing at the rate of nearly 200 barrels per day for more than five months.

The Magna Producing Company cored at 3,196 on the Rowland No. 2 in the southwest corner of the northwest of northwest of section 14-17-14 and failed to pick up the sand. The well will likely be taken back to the shallow sand. It was drilled to about 15 feet above the other producers in the deep sand.

The Pure Oil Company is drilling at around 3,075 feet on its E. F. Gregory No. 1 in section 11-17-14, a south offset to the Alice-Sidney No. 1. C. E. Murdock and associates are at 2,900 feet on the west of the Alice-Sidney in section 10-17-14. The Pure is also drilling on another test in section 10-17-14 northwest offset to the Alice-Sidney.

Alice-Sidney Hits Peak.

Steadily increasing its flow since it was bailed in 12 days ago, the Alice-Sidney No. 1 of Dr. J. S. Rushing, trustee, in the southwest corner of the west half northwest southwest of section 11-17-14, E. F. Gregory farm, has proved to be the best well in the field. Peak production was recorded yesterday when the gauge showed that the well flowed 4,699 barrels. The oil is free of water and basic sediment and is of 35.6 gravity. Dr. Rushing has set casing on the No. 2 and will drill into the deep sand next week. The No. 3 has been spudded in and rig is up on No. 4. All the wells are located on a 20-acre tract.

George Rice and associates are drilling at 1,400 feet on the Rice-Myers No. 1 on a block secured by J. Lindel Lee, trustee, in the southwest corner of the southwest northeast of section 23-18-16. This test is a short distance west of the original El Dorado south field and less than three miles from the first producer ever obtained in the county, the Constantine No. 1. It will be made a deep test, the owners say.

In section 36-16-16, five miles northwest of El Dorado, Charles F. Noble of Tulsa is drilling on his O. T. Murphy No. 1. The test is south of the southwest extension of the Smackover field and will be taken below 3,200 feet, it is understood.

J. O. Moore and associates are reaming on their E. E. Pagan No. 1 in section 18-18-11, near Strong. Cores were taken at 2,807 and a good looking sand was found. The well showed salt water and gas at a previous test at 2,715 feet.

30 Tests Under Way.

There are nearly 30 wells now drilling in the vicinity of the three big wells in the Rainbow City field, while wildcat activity continues to increase, spurred on by the finding of the deep sand. The Rainbow City deep sand as yet covers only a small area, but with the many tests now under way it will be but a matter of a few days until the trend will be partly defined.

Roads are being improved in anticipation of increased drilling activity. The county, local oil men and the Chamber of Commerce are co-operating in the construction of a road leading from Union church, seven miles east of El Dorado, through the sections where the big wells are located and connecting with the Calion and Smackover roads. The only road through the newest part of the field now is a narrow "settlement" road, which is continually choked with traffic. Fortunately, the field is located in a range of hills, thus eliminating the mud menace.

Members of the congregation of Union church and cemetery, a mile south of the field have decided not to leave their property yet, although they have been made flattering offers for the three-acre tract. A portion of royalty a short distance north sold last week at the rate of \$800 per acre for the full eighth.

One of the largest deals of the week was the sale of a 240-acre lease by J. W. Stegall in section 22-17-14 to the Marine Oil Company and Edwin M. Jones for \$12,000 cash and \$12,000 additional in oil from the first 7-16ths productions. Jones is now drilling a deep test on the Stegall land, which is about a mile and a half south of the present production.

Bailing Begins on Well at Rainbow City.

Special to the Gazette.

El Dorado, May 14.—The Alice Sidney No. 1 well of Dr. J. S. Rushing, trustee of the E. F. Gregory land in section 11-17-14, Rainbow City, was being bailed tonight from a depth of 3,210 feet, after the plug was drilled out yesterday.

The well was showing considerable oil but the gas pressure was insufficient to cause it to flow. The well is only 300 yards northeast of the No. 1 which has been flowing at the rate of more than 4,500 barrels a day for two weeks. Should it fail to produce at this depth, the hole will be drilled a few feet deeper into the sand.

The next test scheduled for the new field is that of the Lion Oil Refining Company in section 15-17-14 on the W. L. Rowland land, where salt water crept in from a bad casing seat. A new string of casing was set and the test will be made from 3,212 feet. A drill stem test was in progress tonight on the C. E. Murdock well in section 10-17-14, and the Magna Producing Company was coring its Dumas No. 2 in section 11.

New Well Near El Dorado Estimated 300 Barrels.

Special to the Gazette.

El Dorado, May 15.—Making heads at irregular intervals after being bailed for a considerable time, the Alice Sidney No. 1 of Dr. J. S. Rushing, section 11-17-14 today was estimated good for between 300 and 400 barrels of oil per day. An accurate check was not obtained since the heads were not regular nor uniform.

The gas pressure was sufficient to throw oil and water over the top of the derrick. The well was bailed in from a depth of approximately 3,210 feet in the sand from which the No. 1 has been flowing more than 4,000 barrels per day for two weeks. It is 300 yards northeast of the No. 1. It is understood Dr. Rushing will drill the test a few feet deeper.

Alice Sidney No. 2 Estimated as 500-Barrel Producer.

Special to the Gazette.

El Dorado, May 16.—The Alice Sidney No. 2 well of Dr. J. S. Rushing today continued to make heads of pipe line oil of 35 gravity and it was estimated good for between 500 and 1,000 barrels per day. Tubing will be set and if the well does not flow, a standard rig will be built and it will be pumped. The well is 3,212 feet deep and is located on a 20-acre lease on the E. F. Gregory land in section 11-17-14. The No. 1, drilled in 16 days ago, has already produced \$67,000 worth of oil. Four other wells are being drilled on the lease.

Two important tests are scheduled for tomorrow. The Lion Oil Refining Company's W. L. Rowland No. 1, in the northeast corner of section 15-17-14, was drilled in this afternoon and will be bailed tomorrow. Much interest is attached to this test, as a producer here would extend the field considerably.

Another test set for tomorrow is the O. W. Estes No. 1, in section 14-17-14, on the Rowland land. This well was drilled to 2,992 feet, where a good sand was picked up.

LION WELL EXTENDS RAINBOW CITY FIELD

W. L. Rowland No. 1 Bailed at Estimated Flow of 3,000 Barrels.

Special to the Gazette.

El Dorado, May 17.—The Lion Oil Refining Company's W. L. Rowland No. 1 well in section 15-17-14, Rainbow City field, was bailed in late today at an estimated flow of 3,000 barrels of pipe line oil per day. The well is located in the northwest corner of the section and extends the field nearly a half mile to the southwest.

The Lion well first was drilled in 10 days ago from a depth of 3,212 feet, but salt water leaped in through the casing. A new string of casing was set and the water cased off. The gas pressure was strong enough to throw oil over the top of the derrick.

The No. 1 well of the Magna Producing Company and the Oil Well Corporation, on the Dock Dumas land in section 11-17-14, Rainbow City, was cleaned out today and increased its production from 1,000 barrels to 2,000 barrels of pipe line oil per day. The well has been flowing for more than four weeks from the deep sand at 3,240 feet.

The O. W. Estes test in section 14-17-14 on the W. L. Rowland land was bailed and swabbed from the shallow sand today at 2,992 feet and tonight was reported making heads. It is estimated good for several hundred barrels per day. The oil is of the same gravity as the other in the new field.

Two Wells Increase Flow in El Dorado Oil Field.

Special to the Gazette.

El Dorado, May 18.—Two wells in the Rainbow City field, one of which was bailed in yesterday, the other an old one which was cleaned out and more than doubled its flow, were in the spotlight today. The Magna Producing Company Dumas No. 1, in section 11-17-14, today increased its flow to 2,500 barrels in the second day after it was slightly deepened and cleaned out.

The well had been making about 1,000 barrels per day for four weeks. The deep test of the Lion Oil Refining Company, which was bailed in yesterday, gauged approximately 20,400 barrels today.

FOUR GUSHERS IN RAINBOW CITY FIELD

Additional Tests Ready as Drilling Increases in South Arkansas.

Special to the Gazette.

El Dorado, May 19.—With the registering of three more producers, doubling of the flow in a fourth and at least four more tests due in the next few days, the Rainbow City oil field, northeast of El Dorado scored its best period during the past week.

There now are four gushers in the field and approximately a half dozen good pumps. The largest of the flowing wells is the Alice-Sidney No. 1 of Dr. J. S. Rushing, trustee, in section 11-17-14 on the E. F. Gregory place. This well has averaged more than 4,200 barrels per day since it came in 18 days ago, and has produced more than \$85,000 worth of oil. It is in what is known as the deep sand at a depth of 3,212 feet.

The latest producer is the Lion Oil Refining Company's W. L. Rowland well in the northeast corner of section 15-17-14, which came in Thursday night making 3,000 barrels of pipe line oil per day. The oil is of 35.5 gravity, the same as that from the Rushing well, and is practically free of water. The well was drilled in from 3,212 feet after a second string of casing had been set. The first test of the well a week ago showed salt water, which leaked in due to a bad seat. The 40 acres on which the well is located sold recently for \$20,000 cash and an additional \$50,000 in oil provided a 1,500 barrel well was obtained.

After flowing for 29 days at the rate of around 900 barrels per day, the Magna Producing Company and the Oil Well Corporation No. 1 Dumas in the east half northwest southwest of section 11-17-14, an east offset to the Alice-Sidney No. 1, increased its flow to 2,000 barrels per day. The well stands at 3,240 feet.

The Alice-Sidney No. 2 in section 11-17-14, which was bailed in last Monday from a depth of 3,210 feet, is rated good for upwards of 500 barrels per day as a flowing well or heavy pump. The Alice-Sidney is on the same 20 acre lease as the No. 1. Four other wells are being drilled on this lease by Dr. Rushing.

The third new producer of the week was the O. W. Estes No. 1 Rowland in section 14-17-14, which was bailed in Thursday as a producer estimated at around 200 barrels per day. This well is in the shallow sand at 2,992 feet. It is in the northwest corner of southwest northwest of the section.

Casing has been set by C. E. Murdock and associates on the J. M. Gregory No. 2 in section 11-17-14, where a good sand was found at 3,182 feet. The well will be drilled in next week.

The Pure Oil Company, which brought in one of the first large wells in the new field, has hit the sand in its south offset to the Alice-Sidney No. 1 in section 11-17-14 and will make a test at 3,200 feet. The Pure No. 1 Gregory well, brought in on April 5, has been flowing since and is now rated at approximately 1,500 barrels per day.

Five New Tests by Magna.

Among the extensive drilling campaigns in the new field is that of the Magna Producing Company, which is drilling five new tests on the Dumas land in section 11-17-14. Casing has been set in Nos. 2 and 3 in the deep sand. No. 4 is drilling at 1,600 feet and Nos. 5 and 6 are rigged up.

The Ohio Oil Company is drilling at about 1,700 feet on its Adams lease in the west half west half northwest of 11-17-14, and the Nos. 2 and 3 have been spudded in. The Ohio is also drilling several tests in the older part of the field in section 11-17-14.

The Arkansas Drilling Company, Johnson Bros., are drilling and coring on their Carroll No. 1 on a five-acre lease in section 11-17-14. The well is being tested in the deep sand.

An important outside test in the Rainbow City field is the G. N. Jerry No. 1 of Sol Simon and associates in section 21-17-14, about half way between the new field and the old El Dorado east field. This well has been taken over by the Root Refineries, Inc., and will be drilled to the deep sand. Many oil men believe that the two fields may connect. They are about four miles apart.

Another edge test in the Rainbow City field is the Edwin M. Jones well No. 1 on the J. W. Stegall place in section 22-17-14, which is being deepened after having been abandoned several months ago. The well will be taken to the deep sand.

With the use of the newly invented "drill stem tester" which eliminates a great amount of the risk and guesswork formerly incidentally to drilling for oil, wildcatting has taken an active upward trend within the last few months. By use of the new device a well can be tested every few feet without the necessity of setting a string of casing as in the old days, a costly process. The machine is fastened on the bottom of the drilling pipe and allows the fluid to come up through the hollow tube. A test can be made in a day, whereas it formerly required from a week to 10 days.

Since the discovery of the deep sand in Rainbow City field, the deepest yet uncovered in Arkansas, much prospecting is under way in various parts of the county.

The J. O. Moore and associated well No. 1 on the E. E. Pagan place in section 18-18-11, near Strong, is being drilled at around 2,900 feet. Three miles to the west in section 21-18-12 H. L. Hunt and associates are drilling again in their Jim Dykes No. 1, which was abandoned some time ago at 2,800 feet. R. W. Rhodes and associates were around 3,000 feet on their Union Sawmill No. 1 in 14-19-11.

LARGE NEW GUSHER IN EL DORADO FIELD

Latest Well Producing More Than 2,500 Barrels Per Day.

Special to the Gazette.

El Dorado, May 19.—Another big gusher was added to the Rainbow City oil field today when the Pure Oil Company's No. 2 on the E. F. Gregory land in section 11-17-14 came flowing at the rate of between 2,500 and 3,000 barrels per day. The well was bailed from a depth of 3,217 feet in the deep sand and began flowing after the bailer had been run only a short time.

The oil is of 35 gravity and there was considerable gas pressure, the stream of oil going over the top of the derrick until it was turned into the tanks.

The new gusher is in the northwest corner of the southwest of section 11, and a direct offset to the Alice Sidney No. 1, which has been flowing at the rate of more than 4,000 barrels per day for three weeks. The Alice Sidney today increased its flow to nearly 5,000 barrels when the choke was opened.

The Pure Oil Company's Gregory No. 1, a west offset to the No. 2, which has been flowing at the rate of 1,500 barrels per day for six weeks, today increased to 2,500 barrels when the hole was cleaned out. The Magna Producing Company's No. 1 Dumas in section 14-17-14 is making 2,000 barrels per day, and the Lion Oil Refining Company's Rowland No. 1 in section 15-17-14 is rated at 2,500 barrels.

The five big gushers in the Rainbow field now have an aggregate production of more than 14,000 barrels per day, in addition to six others making from 100 to 300 barrels per day.

SIXTH GUSHER FOR RAINBOW CITY FIELD

Magna's Dumas No. 2 in South Arkansas Estimated at 3,000 Barrels.

Special to the Gazette.

El Dorado, May 20.—Rainbow City oil field, scored its sixth big gusher this morning when the Dumas No. 2 well of the Magna Producing Company and the Oil Well Corporation in section 11-17-14 came in making between 3,000 and 4,000 barrels of pipe line oil per day. The well was bailed in from a depth of 3,223 feet in the deep sand and started flowing after the bailer had been run a few times. It was closed in and the oil turned into a battery of tanks.

The newest producer is located in the west half of the northwest quarter of the southwest quarter of section 11 and is on the 20 acres east of the Alice Sidney No. 1, the largest gusher in the field.

The Magna Company's No. 2 Rowland today blew in unexpectedly from a depth of 3,272 feet just after the drill stem had been taken out of the hole. After flowing oil for a short time it turned to salt water and gas. The owners believe a new deeper sand has been struck, as this is the deepest well yet drilled in the new field. The water is believed to be coming from above the oil. The same company will drill in its Dumas No. 3 tomorrow morning. More than 30 drilling rigs are now running in the field.

ANOTHER WELL IN AT RAINBOW CITY

C. E. Murdock No. 2 Making About 5,000 Barrels High Gravity Oil.

Special to the Gazette.

El Dorado, May 25.—The C. E. Murdock No. 2 Gregory well in section 10-17-14, Rainbow City, came in tonight, making about 5,000 barrels of high gravity oil.

Bailing still was in progress late today at the well, which was in the deep sand at a depth of 3,185 feet, where an excellent core was found.

With casing set in five other wells and several more in the sand, important developments are expected in the next few days. One of these tests is the Carroll No. 1 of Johnson Bros., in section 11-17-14. The oldest part of the field, and a mile and a half northeast of the present activity.

Two other wells, the Lion Oil Refining Company's Nash No. 1, and the Ohio Company's R. A. B. Smith, are swinging up well in that part of the field.

H. L. Hunt will drill in his J. D. Gregory No. 1 in section 11-17-14, in a day or two, and the Lee Timberlake test on the Dumas land will be bailed soon. The Pure Oil Company has two wells about ready for a test.

SEVENTH GUSHER IN RAINBOW CITY

Total Production in New South Arkansas Field Totals 16,000 Barrels.

Special to the Gazette.

El Dorado, May 26.—Rainbow City oil field scored its seventh and largest gusher this week when the C. E. Murdock well No. 1, on the J. M. Gregory farm was bailed in, making approximately 5,000 barrels of high gravity oil from a depth of 3,200 feet.

With six other flowing wells, ranging from 2,000 to 4,000 barrels each per day, and a half dozen smaller ones at 100 barrels and upward, the field now has a daily production of more than 18,000 barrels.

Casing has been set on five other wells in the field and they are expected to be drilled early next week. There are nearly 40 other drilling rigs in operation in the field and adjacent territory, besides several wildcat operations in various parts of the county. Leasing and royalty trading is still on the increase and during the last week many good sized deals were consummated. Several of the large oil companies, notably the Gulf Refining Company and the Roxana Petroleum Company, are buying acreage in a considerable territory over the southeastern part of the county.

Casing was set this week by H. L. Hunt in his J. D. Gregory No. 1 in the southeast corner of southwest of southeast of section 11-17-14, and this will probably be the next to drill in. The well is 3,216 feet deep in the lower sand and casing was set after an excellent core was taken. The Pure Oil Company has set casing in two tests, the J. M. Gregory, in section 10-17-14, at 3,225 feet; the E. F. Greg-

ory in section 10-17-14, at 3,219 feet. The Johnson Bros., Arkansas Drilling Company have set casing in their J. H. Carroll No. 1, on a five-acre lease in section 11-17-14, in the older part of Rainbow City field. Lee Timberlake and associates set casing the last of this week on their Dumas No. 1 in the southwest of the southwest of section 11-17-14, at 3,257 feet. This well is a south offset to the Magna lease, where there are three producers.

The Lion Oil Refining Company is coring on its B. F. Nash well in section 6-17-13, the farthest eastward test of the new field. This well is a northeast location from the discovery section of the field and is now around 3,010 feet deep. In section 1-17-14, west of the Lion, the Ohio Oil Company is coring for the sand on its R. A. B. Smith No. 1 in the shallow sand. This well is 2,900 feet deep, and unless a producer is found will be taken to the deeper sands.

What is believed may prove a new and deeper sand has been uncovered in the Magna Producing Company's Rowland No. 2 well in the northeast quarter of section 14-17-14. Cores taken from the well at a depth of 3,272 feet showed rich oil and it is believed that the sand is a new strata below that now producing. The deepest producing sand now in the Rainbow field is 3,240 feet. The Magna well suddenly blew in making oil when the drill stem was removed, but later turned to salt water. Pressure was muddled off and the cores taken.

Considerable secrecy has surrounded operations of the Edwin M. Jones well in section 22-17-14 on the J. W. Stegall land, where an old test is being deepened. Reports are that the same sand as that in the Magna Rowland well has been found at 3,345. The surface elevation of the Jones test is below that of the Magna, accounting for some of the difference in depth for the sand, it is pointed out.

Dr. J. S. Rushing is drilling on four tests on his 20-acre lease on the E. F. Gregory land, where his No. 1 Alice Sidney is entering its fourth week as a gusher at more than 4,000 barrels per day. The No. 2 is already in and is a small producer, flowing at about 125 barrels per day. The other four are at various stages of drilling.

Wells being drilled north and south of the Rainbow City field are being watched closely, since a producer would definitely show the trend of the field. In the township north, 16-14 in the vicinity of Calion, several interesting tests are under way. The Sam Richardson well in the southwest of the southwest of section 16-18-14 on the Bobbie Goodwin land has rig up and will start drilling soon. This location is a mile southwest of the town of Calion. Sam Hunter and others are drilling on the M. E. Perdue No. 1 in the northwest northwest of section 33-16-14 at below 2,700 feet. Leasing is active in this territory and royalty and acreage are bringing a good price.

South of the field is the Edwin M. Jones test on the Stegall place in section 22-17-14. A mile east, in section 21-17-14, the Root Refineries, Inc., is drilling on its G. N. Jerry No. 1 at 2,707 feet. This location is half way between the new and old East field.

Wildcatting has received a greater impetus from the bringing in of the new sand than at any time in the last three years. More than six wells are being drilled in widely separated parts of the county. The farthest east is the O. C. Howell well on the Stegall estate in section 11-17-13, two miles from the Ouachita river and 22 miles east of El Dorado near Wilmington. This well is approximately 2,750 feet deep. It was abandoned some time ago but will be deepened for the new sand.

Two tests are under way in the vicinity of Strong. H. L. Hunt is drilling at below 2,900 feet on his Jim Dykes No. 1 in section 21-18-12, and J. O. Moore and associates are below 3,000 feet on their E. E. Pagan test in section 18-18-11. Both wells are looking good, according to reports, and will be taken below 3,100 feet. Some of the major companies have been purchasing acreage in this territory. Southwest of the Smackover west field Charles F. Noble of Tulsa, Okla. is drilling on his Murphy No. 1 in section 36-16-16. The wildcat test of R. W. Rhodes and associates in section 14-19-11, northwest of Huttig, has been shut down at 3,200 feet but plans are being made to take it to 4,000 feet.

The Imperial Oil and Gas Products Company is making an important test in the old El Dorado west field. It is a deepening process on a well on the Goodwin place two miles west of the city.

Counting the activity in the new Rainbow City field and the wildcat wells, there are approximately 55 rigs running now in virgin territory in Union county, and new wells are being spudded in early every day. Four pipe lines, with a daily capacity of more than 60,000 barrels per day have been built into the field. Three are of four-inch and one is six-inch. They are owned by the Magnolia, Lion and Root companies.

TWO RAINBOW OIL WELLS START FLOW

Gazette 5/23/28

Combined Production of 12,000 Barrels of High Gravity Noted.

Special to the Gazette.
El Dorado, May 27.—Two wells in the Rainbow City oil field were in the limelight today with a combined production of more than 12,000 barrels of high gravity oil a day.

The J. D. Gregory No. 1 of H. L. Hunt in section 10-17-14 was brought in last midnight making 2,500 barrels. Today the flow had increased to over 6,000 barrels. The well was bailed from the deep sand.

An old well, the Magna Producing Company's Dumas No. 1 in 11-17-14, staged a sensation by increasing to 6,500 barrels a day when it was deepened a few feet. It had been flowing 2,000 barrels a day for more than a week.

THREE NEW WELLS IN RAINBOW CITY

Pure Oil Gets Two and Third Credited to Timberlake Associates.

Gazette 5/30/28

Special to the Gazette.
El Dorado, May 29.—Rainbow City oil field scored its biggest strike today when three new wells were brought in, and an old one stepped up its production by more than 1,000 barrels.

The best completion was the Pure Oil Company's N. J. Gregory Estate No. 1 in section 15-17-14, which is flowing at the rate of more than 5,000 barrels of pipe line oil per day. The well was bailed in this afternoon and has been turned into the tanks. It is free of water and basic sediment.

The second gusher was also brought in by the Pure Oil Company. It is the M. J. Gregory No. 1 in section 11-17-14, a mile northeast of the other. It is flowing through a choke at around 2,000 barrels per day. The oil is of 35.5 gravity and free of water.

The third well was the Lee Timberlake and associates Dumas No. 1 on a 10-acre lease in section 11-17-14. This well came in as a huge gasser, making 40,000,000 cubic feet per day. There was some water but no oil. It is believed that the Timberlake well was drilled in a few feet above the oil sand.

The Alice Sidney No. 1 of Dr. J. S. Rushing, trustee, one of the earliest gushers in the field, today increased its flow to around 5,000 barrels after it had been producing for more than a week at 4,000. The well has been flowing and has produced more than 100,000 barrels of oil.

The new field now assumes major proportions, with a total daily production of more than 30,000 barrels from 12 of the largest wells. Four more wells have been cemented and will be tested before the end of this week. About 50 are now drilling at various stages.

RAINBOW CITY WELL IN AT 5,000 BARRELS

Gazette 6/1/28

Lion No. 2 Rowland Flow Is Turned Into Tanks; Gasser Sold for \$175,000.

Special to the Gazette.

El Dorado, May 31.—The Lion Oil Refining Company's No. 2 Rowland well in section 15-17-14, Rainbow City field, came in today making an estimated flow of 5,000 barrels of pipe line oil. The well was closed in and tonight was being turned into storage tanks. The oil is of 35.5 gravity and free of water.

The Lion well is situated in the northwest corner of northeast of northeast of section 15 and was drilled in at 3,270 feet. The 40-acre lease is owned jointly by the Lion, George W. James and Johnson Bros. The Lion owns half and the others one-fourth each.

The giant gasser of Lee Timberlake and others, which came in two days ago making around 50,000,000 feet of gas, was sold today to C. E. Murdock, the owners announced. The price was \$175,000 and the deal includes a lease on the 10 acres on which the well is situated.

This is one of the largest deals completed in the new field. Several wells are to be drilled in within the next few days. There are now more than 60 tests in the field.

RAINBOW OIL FIELD RANKS WITH MAJORS

Gazette 6/3/28

Daily Average Production of 32,000 Barrels Pushes the Area to Fore; Gas at Top.

Special to the Gazette.
El Dorado, June 2.—The Rainbow City oil field, newest in South Arkansas-North Louisiana, this week passed into the ranks of the major producers, when its daily average runs totaled more than 32,000 barrels.

The week's activities included the addition of 13,000 barrels of oil and 50,000,000 feet of gas to the field through completion of four wells in proven territory and the starting of approximately a dozen new tests.

The largest deal in recent years in South Arkansas oil circles was completed when Timberlake & Woolfrey sold to C. E. Murdock, Inc., 15-16ths interest in a 19-acre lease for \$175,000 or \$1,750 an acre. The lease has only one well, the Dumas No. 1, which came in this week from a depth of 3,170 feet making around 50,000,000 cubic feet of gas a day. The well was closed in and a second test will be made for oil. Other wells will be drilled, the new owner said.

Three Gushers in Week.
The three gushers of the week were the Pure Oil Company's No. 1, J. M. Gregory in section 11-17-14, which came in for 1,500 barrels a day; the W. E. Gregory estate No. 1 of the Pure company in section 15-17-14, at 6,000 barrels, and the Lion Oil Refining Company's No. 2, Rowland in section 15-17-14 at 5,000 barrels. All three are flowing pipe line oil of 35.5 gravity and free of water and basic sediment.

Six more wells are to be bailed in within the next few days, four of which are in the newer part of the field, the other two in the northeast or older part. They are: Johnson Bros. Drilling company, J. H. Carroll No. 1 in section 1-17-14, casing set at 3,000 feet on a five-acre lease; Magnolia Petroleum company, J. H. Carroll No. 3 in section 1-17-14, at 2,995 feet; Pure Oil company, E. F. Gregory No. 5, section 10-17-14, at 3,174; Pure Oil company, E. F. Gregory No. 6, section 11-17-14, at 3,170 feet; Rushing No. 3 E. F. Gregory in section 11-17-14, at 3,142 feet; Magna Producing company, Dumas No. 3, section 11-17-14, at 3,284 feet.

Latest Locations.
New locations and wells spudded in this week include: Pat Marr No. 1, Jim Hicks, section 21-17-14; Sam Richardson, No. 1 Bobbie Goodwin, section 16-16-14; Skelly Oil company, No. 1 J. M. Gregory in northwest quarter of section 15-17-14; Oil Well corporation, No. 1 W. H. Perdue, northwest quarter of section 10-17-14; Magna Producing company No. 2 Townsend, in northeast quarter of section 10-17-14.

Considerable interest is being shown in the wildcat test of Sam Hunter on the M. A. Perdue land in the northwest corner of section 33-17-14, five miles northwest of the Rainbow field and five miles south of the Smackover territory. The well is around 3,000 feet, where a good looking sand is reported to have been found. Another

test in that territory is the Sam Richardson No. 1 on the Bobbie Goodwin land in the southwest corner of section 16-16-14, a mile southwest of Callon. Both wells are getting more attention than any wildcats in the last two years. Leasing is active and acreage is being sold at fancy prices.

Campaigns Staged.
Several of the major companies are putting on an active campaign in the Rainbow field, including the Pure Oil Company the Ohio Oil Company and the Magnolia Petroleum Company. Independents and others are C. E. Murdock, Inc., Rovenger Oil Corporation, Magna Producing Company, Johnson Bros., Oil Well Corporation, Skelly Oil Company, Lyell et al. H. L. Hunt, Arkansas Natural Gas, Pat Marr, Ouachita Natural Gas, Patterson et al., Root Refineries, Inc., Alice-Sidney Oil Company. The Pure has 14 wells, the largest number in the field owned by any one company. The Ohio is second with 12 producers and tests.

The proven areas of the Rainbow field are a little more than a mile and a half long, not counting the older part. There are 62 wells drilling, in addition to those already producing. The 32,000 barrels of oil a day from the field is being produced from 23 wells, seven of which are being pumped, the other 16 flowing.

The production is being bought by three companies, the Root Refineries, Inc., the Lion Oil Refining Company and the Magnolia Petroleum Company. The Lion and Root maintain refineries here and turn much of the Rainbow crude into refined products in El Dorado, while the Magnolia has a large storage tank farm northeast of the city. Four pipe lines, three of four-inch capacity and one six-inch have been built.

Deep Test Under Way.
West of El Dorado on the Magnolia road a short distance from where the first oil well in Union county was brought in the Imperial Oil and Gas Products Company is making a deep test on a well that was drilled several years ago. Leasing has taken on considerable activity in that section and hopes have been revived for a new

deep sand in the old El Dorado West field.
Wildcatting has been unusually active in the last month. H. L. Hunt is drilling on his Jim Dykes No. 1 in section 21-18-12, three miles north of Strong, after the test was abandoned nearly a year ago. The well is below 3,000 feet. On the E. E. Pagan place, J. O. Moore and associates are drilling at 2,985 feet in a good formation. The well is in section 18-18-11. Charles F. Noble of Tulsa, Okla., is drilling on his Murphy No. 1 in section 26-16-16, southwest of the Smackover field.
C. C. Howell is taking cores in his Stegall estate No. 1 in section 11-17-13, at around 2,700 feet. R. W. Rhodes and others are reported to be preparing to start up on their Union Sawmill No. 1 in section 14-19-11 after shutting down at 3,210 feet.

Rainbow City Test Holding Oil Fraternity's Interest.

Gazette 6/3/28

Special to the Gazette.
El Dorado, June 6.—The oil fraternity tonight was watching with keen interest the test of the Rovenger Oil Company's No. 1, W. H. Perdue well in the north part of section 10-17-14, Rainbow City field, which is expected to extend the field a half mile to the north west. Cores were taken early tonight and prospects look good for a well, the owners said. The well is located in the southwest quarter of the northwest quarter of the section and is the farthest northwest well to be treated. On the eve of the test a sudden flurry struck the royalty and lease traders and the Circuit Clerk's office was swamped, more than 100 deeds being filed during the day. The Magna Producing Company's No. B-2, Rowland well in the northwest corner of section 14-17-14 showed as a good producer today, from new sand at 3,052 feet. The same company drilled in its Dumas No. 3 in section 11-17-14 making salt water. The hole will be taken deeper it is understood. Considerable interest is being shown in a wildcat well in section 18-18-11 near Strong, being drilled by J. O. Moore and others. A drill stem test was being made tonight at 2,955 feet where a good gas showing was found.

\$200,000 DEAL IN RAINBOW CITY FIELD

Gazette 6/8/28

Skelly Company Buys 40-Acre Tract on M. E. Perdue Farm.

Special to the Gazette.
El Dorado, June 7.—The largest oil deal in this section in many months was completed here today when papers were filed with the circuit clerk on sale of a 40-acre lease in the Rainbow City field for \$40,000 in cash and \$145,000 in oil.

The lease was purchased by the Skelly Oil Company from the Oil Well Corporation, and is a part of the M. E. Perdue farm in the southeast of the northwest of section 10-17-14. Of the oil consideration, \$50,000 is to be paid for seven-sixteenths, and \$95,000 out of seven-thirty-seconds of the oil. There are no wells on the land, but it is a south offset to the Rovenger Oil Company's No. 1 Perdue, in the northeast of the northwest of 10-17-14.

Rovenger tonight was still coring and is expected to begin bailing the well Friday. Dr. J. S. Rushing will drill in Friday, Saturday and Sunday on his Alice Sidney Nos. 3, 4 and 6, on the E. F. Gregory farm, in section 11-17-14. The No. 1 well on this 20-acre lease has already produced 150,000 barrels of oil worth around \$175,000.

LATEST PRODUCER EXTENDS NEW FIELD

Gazette 6/10/28

Rovenger Well Adds Large Area of Virgin Territory to Rainbow City.

Special to the Gazette.
El Dorado, June 9.—The Rainbow oil field made its greatest stride this week when it reached out and took in several hundred acres of virgin territory to the northwest.

The new area was acquired by the field when the Rovenger Oil Company's Perdue No. 1 in section 10-17-14 came in as the biggest well in the territory at an estimated flow of 7,200 barrels of pipe line oil per day. The well is a half mile northwest of the nearest production. Other wells brought in during the week were the Pure Oil Company's No. 5 Gregory in section 10-17-14 at 3,500 barrels and section 10-17-14 at 3,500 barrels and section 11-17-14 on the Dumas land in section 11-17-14 at 3,500 barrels, making added production for the week approximately 14,000 barrels.

Tests both north and south of the proven area are showing up good. Johnson Bros. in a drill stem test of their Carroll No. 1 in section 1-17-14 obtained a showing of oil, and the Root Refineries, Inc., in their Jerry No. 1 in section 21-17-14, three miles to the southwest, uncovered a sand in a drill stem test good for 15,000,000 feet of gas and considerable oil.

Both the old and new parts of the field are getting play such as has not been seen in the South Arkansas district since the spring of 1925. More than 60 rigs are running in the Rainbow territory in addition to several wildcat tests in various parts of the county. Bringing in of the new sand has apparently stirred oil men in the quest for deeper oil in other parts of the section, started shortly after the Smackover 2,700-foot strata was uncovered.

The major deal of the week was sale of a 40-acre lease in the new field for a consideration of \$185,000—\$40,000 cash and \$145,000 in oil from the first production. The lease was sold by the production. The lease was sold by the Skelly Oil Company and embraces the southeast quarter of northwest quarter of section 10-17-14, a quarter of a mile from the nearest producing well. The company has started its No. 1 test.

Wildcatting Active.
Interest in wildcat activities is centered around a well being drilled by Sam Hunter and M. O. Jones on the M. E. Perdue land in section 33-16-14, more than three miles northwest of the Rainbow field and south of the Smackover area. This well is now about 3,100 feet and owners say it is checking up with the field. Acreage has been bringing fancy prices around the test. Two miles north of this well Sam Richardson is drilling on the B. Goodwin No. 1 in the southwest corner of section 16-16-14, a mile southwest of Callon. Charles F. Noble is drilling on the Murphy No. 1 in section 36-16-16, southwest of the Smackover field, where a deep test will be made.

In the vicinity of Strong two wildcats are being given considerable attention. The E. E. Pagan No. 1 of J. O. Moore and associates in section 18-18-11 has shown gas at several drill stem tests but no oil. It is now drilling at 2,995 and will be taken to 3,300 feet unless oil is found at a lesser depth. H. L. Hunt has shut down on his Jim Dykes No. 1 in section 21-18-12 and is rigging up on the Dobson No. 1 in section 3-19-12, southwest of Strong, where a large block of acreage has been secured. In the extreme east end of the county near the Ouachita river O. C. Howell is drilling on the Stegall estate No. 1 in section 11-17-13, where a good gas showing has been found at above 3,000 feet.

Interest is being manifested in reports that a block has been secured in township 16 and ranges 16 and 17, two miles west of the Lisbon field. Leases on a large amount of acreage have been filed for record in the office of the circuit clerk. This section was tested for shallow sand, but no deep wells have been sunk in that part of the county.

With two sands already producing and a third in sight in the Rainbow field there is a possibility of "triple drilling" on the leases. The Magna Producing company, which now has two wells in the same corner of a 40-acre tract, is planning to put down another. They are in the northwest corner of section 14-17-14 on the Rowland land and are known as No. 1, B-1 and C-1. The No. 1 is flowing from the deep sand. No. B-1 has tested good at 100 feet above, while the last well will be tested for the shallow sand, the owners plan.

Many oil men believe the new field is now near its northern boundary, the middle of sections 10 and 11-17-14. That it will extend to the west and southwest. So strong is this faith that several of the larger companies have purchased leases far to the south. The Texas company this week bought 80 acres in section 27-17-14, more than two miles south of the proven area, from G. L. Graves for \$4,800. The Lion Oil Company has made five locations on its Sinclair lease in section 16-17-14, and Pat Marr and others are starting wells in this area.

Finding of oil of another gravity from a different sand in the south part of Rainbow field indicates, oil men say, that a new stratum has been uncovered. The Magna Producing company uncovered an oil at 3,050 feet in section 14-17-14 that tests 28 gravity, while that from the 3,200-foot sand is 35.5 gravity. The low gravity oil is the same as that from the older part of the field, back in section 1-17-14. There are four wells in the old part of the field in which new interest is being taken on account of the finding. Oil men believe that the shallow sand of section 1-17-14 may extend unbroken between the two parts, a distance nearly two miles heretofore undeveloped.

Johnson Bros. have found a good sand in their Carroll No. 1; the Lion Oil Refining Company is preparing to test its No. 1 Nash; the Ohio Oil Company is coring its No. 2 Pumprey; the Magnolia Petroleum Company is ready to test its Carroll No. 3, all in section 1-17-14.

Gregory Well Rated at 4,200 Barrels After Bailing.

Gazette 6/14/28

Special to the Gazette.
El Dorado, June 10.—The Pure Oil Company's Gregory No. 6 well in the southwest corner of section 11-17-14, Rainbow Field, was bailed in today, flowing at the rate of 4,200 barrels per day. The oil is of 35 gravity and free of water.

Completion of the Rovenger No. 1 well in section 10-17-14 as the biggest gusher in the Rainbow Field at 7,200 barrels per day was followed by a feverish activity. More than a score of new locations have been made in all directions from the new well and operators are eager to develop the virgin territory.

Dr. J. S. Rushing, trustee, completed his Alice Sidney late yesterday, making 500 barrels of pipe line oil. The well will be deepened a few feet. It is 300 yards from his No. 1, which has made 165,000 barrels of oil in five weeks. The wells are on the Dumas land in section 11-17-14. Two others are being cored preparatory to drilling in tomorrow or Tuesday.

New Giant Gasser on Gregory Land to Be Deeper.

Gazette 6/13/28

Special to the Gazette.
El Dorado, June 12.—Dr. J. S. Rushing, trustee, will drill a few feet deeper on his No. 3 Alice Sidney well on the E. F. Gregory land, which came in late yesterday making around 35,000,000 feet of gas per day. The well is the third completion on the 20-acre lease and two more will be bailed in soon.

The Pure Oil Company completed its E. F. Gregory No. 2 in the southwest corner of section 11-17-14 at 1,450 barrels per day. This is the second completion. A new string of casing having been set after a leak developed in the first test.

The Rovenger Oil Company has started two more tests on its 40-acre lease where the No. 1 Perdue was brought in last Saturday at 7,200 barrels per day. More than a score of new locations have been made in the last few days on the north and south sides of the field.

Hope Revived of Extending Old Section of Rainbow Field.

Gazette 6/17/28

Special to the Gazette.
El Dorado, June 16.—Hopes for a northeast extension of the older part of Rainbow City oil field was revived yesterday when the Lion Oil Refining Company bailed its Nash No. 1 in section 6-17-13 from a depth of 3,015 feet.

The well tonight was standing within about 300 feet of the top in oil and fresh water. The water is believed to be coming from a leak in the casing, since there is no salt. The oil is of high gravity, such as that in the new part of the field.

Johnson brothers will likely test their Carroll No. 1 in section 1-17-14, a mile west of the Lion, tomorrow or Sunday. The Magnolia Petroleum Company is setting packer and tubing on the Carroll No. 3 in section 1-17-14, preparatory to making a pumper. In the new part of the field the next test well probably will be the Jersey No. 1 of the Root Refineries, Inc., in section 21-17-14, a mile and a half from production, where a drill stem test showed the well good for several million feet of gas and some oil.

Three Wells in Old Part Rainbow Field Arouse Interest.

Gazette 6/19/28

Special to the Gazette.
El Dorado, June 18.—Increased interest in the older part of the Rainbow City oil pool, two miles northeast of the present activities, is being taken up with completion of two flowing wells in that sector and the bailing of another that gives good promises. The Lion Oil Refining Company's Nash well in section 6-17-13 is rated at 400 barrels per day, and is located a half mile east of the other producer. Three offset wells are being planned. The Magnolia Petroleum Company's No. 3 Carroll well in section 1-17-14 is good for 300 barrels per day. Packer and tubing have been set.

Johnson Bros. drilled plug today on their Carroll No. 1, in section 1-17-14, and they were bailing tonight. The Magnolia and Johnson wells are half a mile west of the Lion.

Legal action concerning land titles has temporarily deferred bailing of the Root Refineries No. 1 Jerry well in section 21-17-14, which is expected to extend the field to the south more than a mile.

Pro-Rating System for Rainbow City Possible.

Gazette 6/19/28

Parker C. Ewan, commissioner of the Department of Conservation and Inspection, yesterday announced the appointment of a committee of seven widely known oil operators in Union county to study conditions in the Rainbow City field to determine if it will be necessary to adopt a prorating system for drillers and operators. Present conditions do not warrant establishment of such a system, Commissioner Ewan said, but if it becomes necessary a fair and feasible plan will be worked out. The committee will report to a meeting of the state Board of Conservation to be held soon. Members of the committee are: Joe K. Mahoney, El Dorado lawyer and counsel for the Arkansas-Louisiana division of the Mid-Continent Oil and Gas Association; W. C. O'Ferrall, member of the Executive Board of that association and Arkansas superintendent of the Standard Oil Company of Louisiana; Tom Rozelle, superintendent of the Pure Oil Company; Edwin Jones, P. R. Mattox, H. L. Hunt and Gordon Ingalls, independent operators.